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Reading and writing module 1

Manul cats are small, shy felines. They live mostly alone in out-of-the-way parts of Asia, such as on Mount Everest. These cats have been difficult to research because their habitats are so _____ large populations of humans.

1 Mark for Review

Which choice completes the text with the most logical and precise word or phrase?

(A) drawn to

(B) full of

(C) distant from

(D) responsible for

Some paleontologists thought that a sudden shift toward an arid climate on the Australian continent may have brought about the rapid extinction of several species of large kangaroos around 200,000 years ago. However, new evidence that the change in conditions occurred well before those species went extinct is forcing paleontologists to _____ that hypothesis.

2 Mark for Review

Which choice completes the text with the most logical and precise word or phrase?

(A) revise

(B) interpret

(C) recollect

(D) introduce

The following text is from Mark Twain's 1876 novel *The Adventures of Tom Sawyer*. Tom, a child, has been told by his aunt to paint their house's fence.

> Tom appeared on the sidewalk with a bucket of whitewash and a long-handled brush. He surveyed the fence, and all gladness left him and a deep melancholy settled down upon his spirit. Thirty yards of board fence nine feet high.

3 Mark for Review

As used in the text, what does the word "surveyed" most nearly mean?

(A) Had questions about

(B) Was intrigued by

(C) Looked at

(D) Ordered

The invention in 1958 of the integrated circuit (or microchip) radically altered the semiconductor industry. In fact, some historians argue that it fundamentally _____ the industry by enabling it to take advantage of mass production methods for the first time.

4 Mark for Review

Which choice completes the text with the most logical and precise word or phrase?

(A) obstructed

(B) transformed

(C) bypassed

(D) overwhelmed

Text corpora such as the Corpus of Contemporary American English are enormous collections of electronically stored texts that can be used for empirical testing of hypotheses regarding how _____ a word is in spoken and written English. For instance, one might have a guess about the incidence of the word "day," but only an analysis of a corpus can prove that "day" is the fifth most commonly used noun.

5 Mark for Review

Which choice completes the text with the most logical and precise word or phrase?

(A) assertive

(B) credible

(C) pervasive

(D) profound

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Why do ocelots purr but jaguars roar? Researchers hypothesize that this difference between the two feline species may be partly due to a U-shaped bone in their throats. This bone is called the hyoid. Ocelots, which are much smaller than jaguars, have a rigid hyoid that rumbles when the cat's larynx vibrates, resulting in a purr. By contrast, jaguars have a somewhat flexible hyoid, and the bone is attached to the skull with a stretchy ligament that ocelots lack. These traits allow jaguars and most other species of big cats to roar. The same traits may also prevent most big cats from purring.

6 Mark for Review

Which choice best describes the function of the underlined sentence in the text as a whole?

(A) The sentence explains the unique nature of the researchers' hypothesis.

(B) The sentence identifies the location of a bone in felines.

(C) The sentence introduces a term that is used in the discussion that follows.

(D) The sentence summarizes the debate presented in the text.

In 2020, rap artist and professor A.D. Carson published the first peer-reviewed rap album about his experiences with Black masculinity called "i used to love to dream." Typically in peer review, experts evaluate scholarly articles prior to publication. For Carson's album, dubbed a "mixtap/e/ssay," peer review involved both scholars and rap artists. In combining elements of a mixtape album with scholarly essays that connect Carson's lyrics to historical and contemporary contexts for listeners both inside and outside academia, Carson's album helped redefine how scholarship is created and shared.

7 Mark for Review

Which choice best states the main purpose of the text?

(A) To compare the relative public impact of scholarly articles and albums

(B) To describe how each step of the peer review process unfolds

(C) To capture one scholar's opinion of a new rap album

(D) To explain why a certain rap album is particularly innovative

The following text is adapted from Lady Gregory's 1904 play *Spreading the News*. Jack Smith and Bartley Fallon have encountered each other at the local fair.

> JACK: It isn't to the fair I came myself, but up to the Five Acre Meadow I'm going, where I have a contract for the hay. We'll get a share of it into tramps [drying stacks] to-day.
>
> BARTLEY: You will not get it into tramps to-day. The rain will be down on it by evening, and on myself too. It's seldom I ever started on a journey but the rain would come down on me before I'd find any place of shelter.
>
> JACK: If it didn't itself, Bartley, it is my belief you would carry a leaky pail on your head in place of a hat, that way you'd not be without some cause of complaining.

8 Mark for Review

Based on the text, what does Jack most likely believe about Bartley?

(A) Bartley will be able to help Jack with cutting the hay.

(B) Bartley is concerned that Jack hasn't prepared for the weather.

(C) Bartley is a poor judge of the weather.

(D) Bartley will find fault with any situation.

Horizontal gene transfer involves the exchange of genetic material between organisms not in a parent-offspring relationship. It is common among prokaryotes (single-celled organisms such as the bacteria *Brevibacillus borstelensis* and *Massilia timonae*). The process can have the effect of increasing bacterial resistance to antibiotics; as such, an understanding of how to prevent horizontal gene transfer might result in the mitigation of dangerous pathogens (organisms that cause disease).

9 Mark for Review

Which choice best states the main idea of the text?

(A) A common perception of horizontal gene transfer is inaccurate.

(B) Horizontal gene transfer is more common than was initially thought.

(C) The results of new research into horizontal gene transfer cast doubt on earlier findings.

(D) The study of horizontal gene transfer may yield findings with useful applications.

Examples of Hoards found in Ireland and Northern Ireland

Hoard name	Date of contents	Year of discovery	Description
Carrick-on-Suir Hoard	17th century CE	2013	gold coins
Coggalbeg Hoard	24th–19th century BCE	1945	gold pieces
Broighter Hoard	1st century BCE	1896	gold pieces

For centuries, people in Ireland and Northern Ireland have been finding deposits of valuable objects, called hoards, that earlier people buried. These discoveries have persisted into the 2000s; for example, _____

10 Mark for Review

Which choice most effectively uses data from the table to complete the statement?

(A) the Broighter Hoard, Coggalbeg Hoard, and Carrick-on-Suir Hoard have all been found since 1896.

(B) the Carrick-on-Suir Hoard was found in 2013.

(C) the Carrick-on-Suir Hoard was found after the Broighter Hoard.

(D) the Broighter Hoard and Coggalbeg Hoard were both found after 2000.

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The Age of Innocence is a 1920 novel by Edith Wharton set in the 1870s in the northeastern United States. In the novel, Newland Archer and May Welland have just been married. They are spending a summer with May's relatives in Newport, Rhode Island. May is puzzled by Newland's lack of enthusiasm for Newport: _____

11 Mark for Review

Which quotation from *The Age of Innocence* best illustrates the claim?

(A) "The Newport Archery Club always held its August meeting at the Beauforts'."

(B) "[May] represented peace, stability, comradeship, and the steadying sense of an unescapable duty."

(C) "May herself could not understand [Newland's] obscure reluctance to fall in with so reasonable and pleasant a way of spending the summer."

(D) "[Newland] had the feeling of unexplained excitement with which, on half-holidays at school, he used to start off into the unknown."

Characteristics of Several Large Stars

Name of star	Mass (solar masses)	Distance (light-years)	Minimum aperture to detect from Earth (millimeters)
Sk -69° 249 A	119	160,000	60
VFTS 482	145	164,000	102
HSH95-46	160	163,000	203
R136a4	167	157,000	152

A telescope allows us to see very faint objects mostly due to the large size of the opening that light passes through, known as the aperture. Like the pupil in the human eye, the larger the diameter of a telescope's aperture, the fainter the objects we can detect with it. An amateur astronomer claims that she likely could see most, but not all, of the stars in the table while using a telescope with a 160-millimeter (mm) aperture.

12 Mark for Review

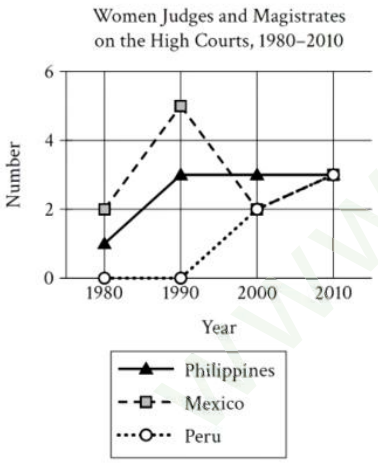
Which choice best describes data from the table that support the amateur astronomer's claim?

(A) Only Sk -69° 249 A can be seen from Earth using a telescope with a 60 mm aperture.

(B) Only Sk -69° 249 A has a mass below 145 solar masses.

(C) Only HSH95-46 requires a telescope with a minimum aperture greater than 160 mm to be visible from Earth.

(D) Only VFTS 482 is further than 163,000 light-years from Earth.



A report from an international organization that monitors the numbers of women serving as judges or magistrates on various nations' highest courts, such as the Supreme Court of Justice in Mexico and the Supreme Court in the Philippines, found that the overall trend is toward more women serving on the high courts in 2010 than in 1980. For example, none of the countries in the graph had more than 2 women in these positions in 1980, but _____

13 Mark for Review

Which choice most effectively uses data from the graph to complete the example?

(A) in 2010, Peru had 3 women on its high courts, the Philippines had 3, and Mexico had 3.

(B) the increase in the number of women on the high courts from 1980 to 2010 in Peru was greater than that in either the Philippines or Mexico.

(C) neither Peru nor the Philippines saw a reduction in the women on their high courts in any of the years shown on the graph, but Mexico did after 1990.

(D) Mexico had 2 women on its high courts in 1980 and 3 in 2010.

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The great blue heron and the small dark heron are long-legged birds that live in wetlands, like the Everglades in Florida. Laura D'Acunto and colleagues wanted to know how these birds choose an area in which to live. They looked at features of the birds' habitats, such as the geographic location of the area and how deep the water is during the birds' breeding season. They found that great blue herons prefer areas with deep water during breeding season, but that was not true for small dark herons. The researchers concluded that water management strategies that increase the depth of water in potential wetland bird habitats during breeding season are therefore less likely to _____

14 Mark for Review

Which choice most logically completes the text?

(A) attract small dark herons to the area than they are to attract great blue herons to the area.

(B) extend the average lifespan of great blue herons already in the area than they are to attract a greater number of those birds to the area.

(C) attract birds that don't typically live in wetlands to the area than they are to attract great blue herons or small dark herons to the area.

(D) decrease the area's appeal to both great blue herons and small dark herons than they are to increase the appeal to both.

Light of Truth is a bronze and marble sculpture by artist Richard Hunt. It honors civil rights icon Ida B. Wells. The sculpture _____ in a tree-lined plaza in Chicago, just a few blocks from where Wells lived.

15 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) were standing

(B) have been standing

(C) stands

(D) are standing

Within Earth's biomes, there are four main types of desert: arid, semiarid, coastal, and cold. The roughly _____ is classified as an arid desert.

16 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) 2,330,000 km^2, Arabian Desert,

(B) 2,330,000 km^2, Arabian Desert

(C) 2,330,000 km^2 Arabian Desert,

(D) 2,330,000 km^2 Arabian Desert

Named for the number of hoofed toes they possess, even-toed ungulates, such as the domestic goat (*Capra aegagrus hircus*), _____ to a vast and diverse order of animals.

17 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) belongs

(B) has belonged

(C) is belonging

(D) belong

Included in *We Wanted a Revolution!*, a 2018 group exhibition at the Albright-Knox Art Gallery in Buffalo, New York, was the work of multimedia artist Lorna Simpson. The impact of Simpson's work is _____ the horizons of conceptual photographic art, challenging conventional notions of race, gender, history, and memory, and shedding light on the experience of African American women in contemporary society.

18 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) threefold; expanding

(B) threefold expanding

(C) threefold. Expanding

(D) threefold: expanding

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Researchers Tammy Kernodle and Paul Austerlitz have lent their expertise on Black history and music to an important new project: Carnegie Hall's Timeline of African American Music, a digital resource that, _____ text and music clips, traces the history of specific musical genres (such as funk and swing).

19 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) integrates

(B) is integrating

(C) integrating

(D) has integrated

Today, the Michelin Guide is widely known as the arbiter of fine dining, but when it was created in 1900, it was little more than a marketing gimmick; brothers Andre and Edouard Michelin sought to increase profits for their tire company by encouraging their customers to drive across France, visiting the guide's recommended hotels and restaurants along the way. Nevertheless, the guide soon grew in scope and _____ its modest French eateries were replaced with some of the most esteemed restaurants from around the world, including Quintessence in Tokyo and Gaon in Seoul.

20 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) influence,

(B) influence and

(C) influence, and

(D) influence

In their 2022 study of Indo-Pacific bottlenose dolphins (*Tursiops aduncus*), _____ found that the dolphins' tendency to rub their heads against corals with antimicrobial properties may confer health benefits.

21 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) German biologist, Gertrud Morlock, and colleagues,

(B) German biologist Gertrud Morlock, and colleagues

(C) German biologist, Gertrud Morlock, and colleagues

(D) German biologist Gertrud Morlock and colleagues

Just as the state of Texas has a designated state flower, tree, and bird, it also has a state soil: Houston Black soil. Houston Black is a fitting choice for state soil, in large part because it can be found in abundance across the state. _____ it plays an important role in Texas's agricultural industry and is used to grow a variety of crops, like cotton and sorghum.

22 Mark for Review

Which choice completes the text with the most logical transition?

(A) Additionally,

(B) At that time,

(C) By contrast,

(D) Alternatively,

Generally, sleek vehicles are more aerodynamic than bulkier ones. The streamlined nose of the T-45 Goshawk jet, _____ helps it glide through wind with relative ease, while a boxy pickup truck encounters more wind resistance, making it less aerodynamic.

23 Mark for Review

Which choice completes the text with the most logical transition?

(A) meanwhile,

(B) however,

(C) for instance,

(D) additionally,

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Legislators in Antigua are elected via a first-past-the-post electoral system. In this winner-take-all voting system, the seat is awarded to the candidate who receives not a majority but a plurality (i.e., greatest number) of votes. _____ if several popular candidates are vying for the same seat, it is possible for a candidate to win an election despite receiving less than 50% of the votes.

24 Mark for Review

Which choice completes the text with the most logical transition?

(A) Moreover,

(B) Similarly,

(C) Accordingly,

(D) However,

While researching a topic, a student has taken the following notes:

- Asparagus is a vegetable that contains ascorbic acid, an essential nutrient for humans.
- Every 100 grams (g) of asparagus contains 6 milligrams (mg) of ascorbic acid.
- Many animals can make ascorbic acid in their bodies, but humans cannot.
- Humans must get ascorbic acid from foods, including fruits and vegetables.
- Ascorbic acid is also known as vitamin C.

25 Mark for Review

The student wants to provide an example of a vegetable that contains vitamin C. Which choice most effectively uses relevant information from the notes to accomplish this goal?

(A) Humans cannot make ascorbic acid in their bodies, but they can get it from foods, such as vegetables, for example.

(B) Many animals can make ascorbic acid, which is also known as vitamin C, in their bodies, but humans cannot.

(C) Vitamin C, also known as ascorbic acid, can be found in asparagus as well as other vegetables.

(D) Since humans cannot make vitamin C in their bodies, they must get it from food.

While researching a topic, a student has taken the following notes:

- Hina Hanta is an online archive curated by the Choctaw Nation of Oklahoma.
- Hina Hanta means "bright path" in Choctaw.
- It features images of cultural artifacts relevant to the history of the Choctaw people.
- It includes a shawl (*anchi* in Choctaw) made from cloth.
- It includes a fanner basket (*ufko*) made from cane.

26 Mark for Review

The student wants to specify the shawl's name in Choctaw. Which choice most effectively uses relevant information from the notes to accomplish this goal?

(A) The cloth shawl, which is included in the Hina Hanta online archive, is called an *anchi* in Choctaw.

(B) Hina Hanta, which means "bright path" in Choctaw, includes a shawl in its archive.

(C) The Hina Hanta archive features cultural artifacts, such as a shawl and a fanner basket, that are relevant to the history of the Choctaw people.

(D) The name of the online archive Hina Hanta means "bright path" in Choctaw.

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- Since 1931, the *New York Times* (NYT) Best Sellers list has been a measure of the most successful books in the US.
- Kwame Alexander and Diana Ross are Black authors who have reached the NYT Best Sellers list.
- *The Crossover* is a children's book by Kwame Alexander.
- It reached the NYT Best Sellers list on August 27, 2017.
- *Secrets of a Sparrow* is a memoir by Diana Ross.
- It reached the NYT Best Sellers list on November 21, 1993.

27 Mark for Review

Which choice most effectively uses information from the given sentences to emphasize the different years in which the books reached the NYT Best Sellers list?

(A) Kwame Alexander and Diana Ross are both NYT best-selling authors.

(B) *The Crossover* and *Secrets of a Sparrow* are both books by Black authors that have reached the NYT Best Sellers list.

(C) Kwame Alexander's *The Crossover* and Diana Ross's *Secrets of a Sparrow* are both NYT best sellers, but the former is a children's book, whereas the latter is a memoir.

(D) The memoir *Secrets of a Sparrow* became an NYT best seller in 1993; *The Crossover*, a children's book, joined this list as well, but in 2017.

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Reading and writing module 2

Excavating a pachycephalosaur fossil is a _____ process, since it can take weeks or even months of hard, physically tiring work to clear away the dirt and rock covering the specimen.

1 Mark for Review

Which choice completes the text with the most logical and precise word or phrase?

(A) cheap

(B) rapid

(C) common

(D) difficult

British painter Peter Edwards has a _____ painting portraits of notable figures from a variety of different fields. These characteristic works include his esteemed portraits of writer Maud Sulter and soccer player Bobby Charlton.

2 Mark for Review

Which choice completes the text with the most logical and precise word or phrase?

(A) complaint about

(B) question about

(C) requirement for

(D) reputation for

Though it does not guarantee a book's commercial success, _____ can play a big role in that success—a well-executed marketing campaign helped to make Richard Bachman's novel *The Regulators* the fifth-best-selling novel of 1996.

3 Mark for Review

Which choice completes the text with the most logical and precise word or phrase?

(A) originality

(B) publicity

(C) complexity

(D) practicality

A unique dialect, or regional variety, of Spanish is spoken in Puerto Rico. It contains many words borrowed from the language of the Taínos, the Indigenous people of Puerto Rico. African languages also made important contributions to the Puerto Rican dialect. For example, the way certain vowel sounds are pronounced in it can be _____ to how they are pronounced in Yoruba, a West African language.

4 Mark for Review

Which choice completes the text with the most logical and precise word or phrase?

(A) traced

(B) announced

(C) offered

(D) surrendered

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Though most hoaxes perpetrated as jokes by mischievous users of Wikipedia, an online encyclopedia that almost anyone can freely edit, have quickly been detected and removed, a few fictitious entries, such as those for the town of Stone Ridge, Maryland, and the 18th-century forestry magnate Guillermo Garcia, persisted on the site for many years before they were finally recognized as _____ and deleted.

5 Mark for Review

Which choice completes the text with the most logical and precise word or phrase?

(A) analyses

(B) fabrications

(C) enhancements

(D) revelations

Humans aren't the only ones who use tools. Other animals also find tools helpful. Octopuses use two halves of a seashell to provide protection or a place to hide. And despite sometimes being thought of as simple, many birds make clever use of tools as well. Striated herons have been observed using breadcrumbs and other lures to attract fish to the water's surface, making it easier for the herons to catch them.

6 Mark for Review

Which choice best describes the function of the underlined sentence?

(A) It explains that humans use tools for many different tasks.

(B) It argues that octopuses use tools more often than other animals do.

(C) It provides one example of tool use in a nonhuman animal.

(D) It emphasizes that octopuses are smarter than birds.

President Richard Nixon is most famous for his participation in the 1970s Watergate political scandal, a convoluted tale of criminality and eroded ethics involving a constellation of associates such as Attorney General Richard Kleindienst and Republican Party official Robert Mardian. But Nixon's legacy is complex: he has been praised for his role in opening relations between the United States and China, and he once made an attempt at reforming United States health care policy that is arguably a precursor to the Affordable Care Act, which became law during the Barack Obama administration.

7 Mark for Review

Which choice best describes the function of the underlined sentence in the text as a whole?

(A) It compares the achievements of two historical figures.

(B) It offers information suggesting that a particular perception of a historical figure is an oversimplification.

(C) It provides evidence supporting a claim about a historical figure and that figure's associates.

(D) It explains why a historical figure's accomplishments are often disregarded by historians.

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Text 1

Attempts to automate classification of music into genres have not been very successful. It is also unclear whether categorizing music by genre is useful, since genre categories are ambiguous, subjective, and simplistic. As Jin Ha Lee and Anh Thu Nguyen argue in their study of the South Korean band BTS, relationships between pieces of music may be best understood with concepts other than genre.

Text 2

Forró is a genre of music originally from Brazil that shares some harmonic and rhythmic similarities with the bolero genre. Automated genre classification systems typically struggle to draw distinctions in situations like this, but Yandre Costa and colleagues solved that problem by converting sound to images and having computers compare features of those images. Their approach could improve genre classification, which could have many benefits for users.

8 Mark for Review

Based on the texts, how would the author of Text 1 most likely respond to the claim about the potential benefits of Costa and colleagues' research in Text 2?

(A) By suggesting that future research may provide substantial advancements in the field of automated genre classification

(B) By asserting that genre classifications may not be the most helpful way to think about music

(C) By arguing that some genres are more easily recognized by classification systems than others

(D) By emphasizing that humans do not necessarily enjoy every recording in a genre they claim to prefer

Archaeologists have discovered a runestone in Norway that may contain the earliest example of written words in Scandinavia. Carbon dating at the discovery site revealed that the stone was likely carved between 1 and 250 CE. Runologist Kristel Zilmer believes the stone will be helpful in learning more about the use of runic alphabets in early Iron Age Scandinavia.

9 Mark for Review

Which choice best states the main topic of the text?

(A) A new method for dating rock samples

(B) A runestone found in Norway

(C) The research interests of Kristel Zilmer

(D) Battles of the Iron Age

Members of the Girl Scouts of America, by Age Category, 1992–1995 (in thousands)

Category	1992	1993	1994	1995
Juniors (8–11 years)	870	791	756	727
Ambassadors (older than 17)	863	826	802	784
Cadettes (11–14 years)	188	168	174	172
Seniors (14–17 years)	50	43	45	52

The Girl Scouts of America is a youth organization that had just over 1 million members in 2021. A student is writing an essay on the history of the organization and wishes to determine the number of members from 14 to 17 years old who were in the Girl Scouts in 1995. According to the table, the number (in thousands) is _____

10 Mark for Review

Which choice most effectively uses data from the table to complete the statement?

(A) 185.

(B) 727.

(C) 45.

(D) 52.

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11.

Life Among the Paiutes is an 1882 autobiographical narrative by Sarah Winnemucca Hopkins. In the work, Winnemucca creates suspense by emphasizing her physical response to an event, writing _____

Which quotation from *Life Among the Paiutes* most effectively illustrates the claim?

(A) "Oh, how my heart jumped when I heard a noise close by. It was a horse running towards us. We had to lie down close to the ground. It came close to us and stopped. Oh, how my heart beat! I thought whoever it was would hear my heart beat."

(B) "Oh, how happy everybody was! One could hear laughter everywhere, and songs were sung by happy women and children."

(C) "Late in that fall, there came news that my grandfather was on his way home. Then my father took a great many of his men and went to meet his father, and there came back a runner, saying, that all our people must come together."

(D) "That same fall, after my grandfather came home, he told my father to take charge of his people and hold the tribe, as he was going back to California with as many of his people as he could get to go with him."

A student is writing an essay on the subject of cultured meat, which is grown in a laboratory and is intended to help reduce the number of livestock harvested for food. The student wishes to make the case that people have mixed feelings about cultured meat that may be a barrier to its worldwide adoption.

12 Mark for Review

Which quotation from a publication by a researcher would most effectively support the student's claim?

(A) "Many consumers who were surveyed believed that cultured meat would be good for the environment if widely available, but few of those same consumers were willing to try eating cultured meat themselves."

(B) "Consumers tend to believe that using less packaging when selling meat products in stores would have a significant effect on the environment."

(C) "Advocates of lab-grown meat claim that it's safer than conventional meat because the means of its production can be tightly controlled."

(D) "The flavor of meat from livestock differs across species (from pig to chicken to cow), and is also influenced by farming conditions and the breeds and genders of animals."

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Evan MacLean and colleagues evaluated behavioral and genetic data from over 14,000 dogs, representing more than 100 breeds, and found that certain similarities in behavior between breeds correspond to genetic similarities between those breeds, suggesting a genetic basis for breed differences in behavior. This was the case for both dog rivalry and energy but was especially pronounced for chasing, which can be seen when a dog pursues small animals like birds or squirrels. A different study found that the French bulldog and the bullmastiff breeds exhibit similar chasing behavior, suggesting that _____

13 Mark for Review

Which choice most logically completes the text?

(A) their similarities with respect to that behavior could result from a shared aspect of their genetics.

(B) individual French bulldogs likely display higher levels of chasing than individual bullmastiffs.

(C) French bulldogs and bullmastiffs show a greater tendency toward chasing than most other dog breeds do.

(D) the two breeds will likely become less genetically similar over time.

Buried collections of Bronze Age metal items (called hoards) have been found all over Britain. For hoards discovered since the 1960s, such as the 1965 discovery of the Walderslade hoard, advancements like inexpensive metal detectors, ground-penetrating radar, and aerial surveys have made it much easier for searchers to locate hoards before putting the first shovel in the ground. Hoards found before the 1960s, however, such as the discovery of the Auchnacree hoard around 1921, were not aided by such technologies and thus were much more likely to _____

14 Mark for Review

Which choice most logically completes the text?

(A) include gold jewelry.

(B) result from artifacts being unearthed accidentally.

(C) include rare items from the 10th century BCE.

(D) occur before the ground was disturbed.

The state of Wisconsin has classified the walnut twig beetle as an invasive species that could harm some of the state's native species. But researchers Alejandro Camacho and Jason McLachlan have pointed out that "invasive" and "native" are labels that describe temporary circumstances. Changes in Earth's climate may force animals from their current ranges. Climate changes may also create good habitats in areas where a species couldn't live previously. In the case of Wisconsin, these observations suggest that _____

15 Mark for Review

Which choice most logically completes the text?

(A) the state was previously home to some walnut twig beetles but they were outcompeted by invading species.

(B) it's useful at present for the state to distinguish between invasive and native species in some instances but not in the case of the walnut twig beetle.

(C) even if Earth's climate doesn't change in the way scientists predict, the walnut twig beetle will likely establish itself in the state.

(D) the state's designation of the walnut twig beetle as invasive may be appropriate now but not in the future.

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In May of 1986, the Philippines liberalized its stock market, meaning that it began allowing foreign individuals and businesses to invest money in Filipino companies. This was part of a wave of stock market liberalizations around the world—Malaysia in 1987, Morocco in 1988, and so on. The standard view among economists at the time was that liberalization would make it easier for companies to raise money from investors. Economist Peter Blair Henry examined the economies of 11 countries that were part of the liberalization wave and found that, on average, companies based in those countries received significant increases in investment in the three years following liberalization, suggesting that _____

16 Mark for Review

Which choice most logically completes the text?

(A) companies in Malaysia experienced a greater increase in investment following liberalization than did companies in the Philippines.

(B) economists who held the standard view of liberalization failed to anticipate some serious negative effects of liberalization.

(C) companies did not benefit from liberalization until at least three years after liberalization occurred.

(D) empirical evidence was consistent with the scholarly consensus about the consequences of liberalization.

Bounce and Tubarao are the unofficial names of two small yet notable rocks found on Mars by the *Opportunity* rover. After touching down on January 25, 2004, the rover spent over fourteen years _____ data while on the red planet.

17 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) is collecting

(B) collecting

(C) were collecting

(D) collected

Pomo artist Susan Billy creates elaborate baskets. She typically _____ them from willow and sedge.

18 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) weaving

(B) weaves

(C) to weave

(D) to be weaving

The algaita is a double reed wind instrument from West Africa. The reed of a wind instrument is the mouthpiece _____ A double reed contains two pieces of cane that vibrate and produce sound as air passes between them.

19 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) where is sound made.

(B) where sound is made?

(C) where sound is made.

(D) where is sound made?

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From 2009 to 2019, travelers flew out of major urban airports with increasing _____ Washington Dulles International Airport in Washington, DC, saw a 6.9 percent increase in airline passengers, from 11,122,438 total passengers in 2009 to 11,892,778 in 2019.

20 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) frequency, for example,

(B) frequency, for example;

(C) frequency, for example.

(D) frequency. For example,

In a 2023 study, researchers documented a fascinating behavior in the aquatic plant *Elodea densa*. When exposed to low levels of light, the plant's _____ the cellular organs that generate energy from light—reshuffled to form a tightly packed, glass-like surface ideal for collecting more light.

21 Mark for Review

Which choice completes the text so that it conforms to the conventions of Standard English?

(A) chloroplasts,

(B) chloroplasts—

(C) chloroplasts

(D) chloroplasts;

Textile artist Amber Joy Greenidge-Sabral wanted to avoid using harsh synthetic dyes that could be damaging to the environment. _____ she began experimenting with more environmentally friendly natural dye methods, using organic materials like prairie parsley and weld herb for their natural red and yellow colors.

22 Mark for Review

Which choice completes the text with the most logical transition?

(A) With this in mind,

(B) To sum up,

(C) Nevertheless,

(D) In actuality,

Within a given ecosystem, energy tends to transfer across what ecologists, such as Michelle Evans-White, call trophic levels. _____ primary producers, like plants, at the first trophic level provide energy (i.e., food) for herbivores, like deer, at the second level; those at the second level provide energy for carnivores and omnivores, like coyotes, at the third; and so on, up the food chain.

23 Mark for Review

Which choice completes the text with the most logical transition?

(A) By contrast,

(B) Likewise,

(C) However,

(D) For example,

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Residents of Brasília, Brazil, rely on its rapid transit system, the Brasília Metro, for millions of trips each year. _____ city officials strive to maintain the system's 25 stations to ensure each of these journeys is as smooth as possible.

24 Mark for Review

Which choice completes the text with the most logical transition?

(A) For example,

(B) Accordingly,

(C) However,

(D) Alternatively,

While researching a topic, a student has taken the following notes:

- The Great Salt Lake is one of the world's saltiest bodies of water.
- The lake is located in Utah.
- The northern portion of the lake has a higher concentration of salt than the southern portion.
- Crustaceans called *Artemia franciscana* live in the southern portion.
- Bacteria called *Nodularia* live in the southern portion.

25 Mark for Review

The student wants to emphasize a similarity between *Artemia franciscana* and *Nodularia*. Which choice most effectively uses relevant information from the notes to accomplish this goal?

(A) Crustaceans called *Artemia franciscana* and bacteria called *Nodularia* both live in the southern portion of the Great Salt Lake.

(B) Bacteria called *Nodularia* live in the Great Salt Lake, which is located in Utah.

(C) The Great Salt Lake in Utah is one of the saltiest bodies of water in the world.

(D) *Artemia franciscana*, a type of crustacean, lives in the Great Salt Lake.

While researching a topic, a student has taken the following notes:

- The international Slow Food movement was founded in 1989 with the signing of the "Slow Food Manifesto."
- The movement promotes universal access to healthy, high-quality food.
- It calls for sustainable food production practices that protect local environments, ecosystems, and biodiversity.
- It advocates for fair treatment of and compensation for food production workers.
- The Slow Food USA organization was founded in 2000.

26 Mark for Review

The student wants to introduce the Slow Food movement to a new audience. Which choice most effectively uses relevant information from the notes to accomplish this goal?

(A) The international Slow Food movement, founded in 1989, promotes universal access to healthy, high-quality food that is produced sustainably by workers who are treated and compensated fairly.

(B) The Slow Food movement advocates for food production workers.

(C) The signing of the "Slow Food Manifesto" in 1989 marked the founding of the international Slow Food movement, while the Slow Food USA organization was founded in 2000.

(D) Goals of the movement include universal access to healthy, high-quality food and sustainable food practices.

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While researching a topic, a student has taken the following notes:

- The poem "7 haiku (for St. Augustine)" is by African American writer Sonia Sanchez.
- It was published in her 2010 poetry book entitled *Morning Haiku*.
- The poem is written as a sequence of seven haiku.
- According to the book's publisher, Penguin Random House (PRH), the book "celebrates the gifts of life and mourns the deaths of revered African American figures."
- According to Sanchez, she chose to write in the form of haiku because it helps "maintain memory and dignity."

27 Mark for Review

The student wants to describe the format of "7 haiku (for St. Augustine)." Which choice most effectively uses relevant information from the notes to accomplish this goal?

(A) Sanchez chose the form used in the poem "7 haiku (for St. Augustine)" because it helps "maintain memory and dignity."

(B) The poem "7 haiku (for St. Augustine)" was published in the 2010 book *Morning Haiku*, which "celebrates the gifts of life and mourns the deaths of revered African American figures."

(C) The poems in *Morning Haiku* (2010) are each written as a sequence of haiku.

(D) The poem "7 haiku (for St. Augustine)" is written as a sequence of seven haiku.

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Math module 1

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1 Mark for Review

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The table shows the frequency of each value in a data set.

Value	Frequency
120	3
130	8
140	18
150	8
160	1

What is the minimum value of the data set?

(A) 1

(B) 3

(C) 120

(D) 160

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2 Mark for Review

At what point (x, y) do the graphs of the equations $y = 2x + 4$ and $y = 3x - 6$ intersect in the xy-plane?

(A) $(2, 3)$

(B) $(3, 2)$

(C) $(10, 24)$

(D) $(24, 10)$

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Student-produced response directions

- If you find **more than one correct answer**, enter only one answer.
- You can enter up to 5 characters for a **positive** answer and up to 6 characters (including the negative sign) for a **negative** answer.
- If your answer is a **fraction** that doesn't fit in the provided space, enter the decimal equivalent.
- If your answer is a **decimal** that doesn't fit in the provided space, enter it by truncating or rounding at the fourth digit.
- If your answer is a **mixed number** (such as $3\frac{1}{2}$), enter it as an improper fraction (7/2) or its decimal equivalent (3.5).
- Don't enter **symbols** such as a percent sign, comma, or dollar sign.

Examples

Answer	Acceptable ways to enter answer	Unacceptable: will NOT receive credit
3.5	3.5 3.50 7/2	31/2 3 1/2
$\frac{2}{3}$	2/3 .6666 .6667 0.666 0.667	0.66 .66 0.67 .67
$-\frac{1}{3}$	-1/3 -.3333 -0.333	-.33 -0.33

3 Mark for Review

$$(5x^3 - 2) - (-6x^3 + 3)$$

The given expression is equivalent to $bx^3 - 5$, where b is a constant. What is the value of b?

Answer Preview:

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Student-produced response directions

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4 Mark for Review

$$n(x) = 2(x + 8) + (x - 8)$$

The function n is defined as shown. For what value of x is $n(x) = 35$?

Answer Preview:

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5 Mark for Review

A sphere has a radius of $\frac{13}{5}$ feet. What is the volume, in cubic feet, of the sphere?

(A) $\frac{8,788\pi}{375}$

(B) $\frac{28\pi}{5}$

(C) $\frac{52\pi}{15}$

(D) $\frac{5\pi}{13}$

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6 Mark for Review

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The combined original price for a towel and chair is $36. After a 45% discount to the towel and a 25% discount to the chair are applied, the combined sale price for the two items is $25. Which system of equations gives the original price t, in dollars, of the towel and the original price c, in dollars, of the chair?

(A) $t + c = 36$
$0.45t + 0.25c = 25$

(B) $t + c = 36$
$0.55t + 0.75c = 25$

(C) $t + c = 36$
$0.25t + 0.45c = 25$

(D) $t + c = 36$
$0.75t + 0.55c = 25$

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7 Mark for Review

Distance (miles)	Average time (minutes)
0.06	3
0.28	14
0.34	17

The table gives the average time t, in minutes, it takes Adriana to travel a certain distance d, in miles. Which equation could represent this linear relationship?

(A) $t = \frac{1}{50}d$

(B) $t = \frac{1}{2}d$

(C) $t = 2d$

(D) $t = 50d$

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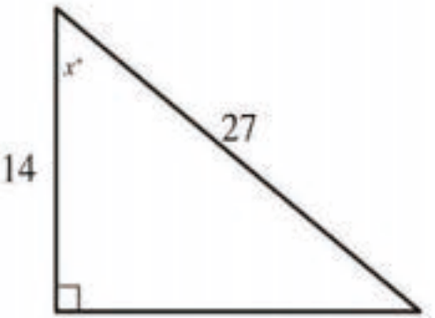
8 Mark for Review



Note: Figure not drawn to scale.

In the triangle shown, what is the value of $\cos x°$?

Answer Preview:

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9 Mark for Review

If $\frac{x-18}{30} = \frac{x-18}{6}$, what is the value of $x + 18$?

(A) 0

(B) 5

(C) 18

(D) 36

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Student-produced response directions

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10 Mark for Review

When a collection of books is sorted, 52% are nonfiction and the remaining books are fiction. Of those that are fiction, 75% are westerns and the remaining fiction books are romance. If there are 933 romance books in this collection, what is the total number of books in the collection?

Answer Preview:

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Student-produced response directions

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- If your answer is a **mixed number** (such as $3\frac{1}{2}$), enter it as an improper fraction (7/2) or its decimal equivalent (3.5).
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$-\frac{1}{3}$	-1/3 -.3333 -0.333	-.33 -0.33

11 Mark for Review

$$7x^2(4x - 13)(4x - u) = 0$$

In the given equation, u is a positive constant. The sum of the solutions to the equation is 3. What is the value of u?

Answer Preview:

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12 Mark for Review

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Which of the following expressions is(are) a factor of $4x^2 + 31x - 45$?

I. $x - 9$

II. $4x - 5$

(A) I only

(B) II only

(C) I and II

(D) Neither I nor II

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13 Mark for Review

The function f is defined by $f(x) = a\sqrt{b - x}$, where a and b are constants. In the xy-plane, the graph of $y = f(x)$ passes through the point $(22, 0)$, and $f(-22) < 0$. Which of the following must be true?

(A) $a < 0$

(B) $b < 0$

(C) $f(0) > -22$

(D) $f(0) = 22$

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14 Mark for Review

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During a specific 2-hour period of the day, the mean photosynthetic rate, $P(x)$, of a plant species increases at a constant rate in terms of the photochemical energy available, x. During this period, $P(300) = 9.8$, and the mean photosynthetic rate increases by 0.13 micromoles per meter squared per second $(\mu\text{mol} \cdot \text{m}^{-2}\text{s}^{-1})$ when the photochemical energy available increases by 5 $\mu\text{mol} \cdot \text{m}^{-2}\text{s}^{-1}$. Which equation gives the mean photosynthetic rate, in $\mu\text{mol} \cdot \text{m}^{-2}\text{s}^{-1}$, in terms of the photochemical energy available, in $\mu\text{mol} \cdot \text{m}^{-2}\text{s}^{-1}$, during this period?

(A) $P(x) = 0.026x + 9.8$

(B) $P(x) = 0.026x + 2$

(C) $P(x) = 9.8x + 0.026$

(D) $P(x) = 9.8x - 2{,}930.2$

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A company conducted a study concerning the time spent on extracurricular activities by students in grades 6, 7, and 8 and their level of school spirit. A total of 90 students were selected at random from all students in grades 6, 7, and 8 in a large school district in the US. The selected students were asked to report their level of school spirit as either low, medium, or high. The table summarizes the distribution of the selected students by grade.

Grade	6	7	8
Number of students	30	26	34

If the results of the study suggest a relationship between the self-reported level of school spirit and the amount of time spent on extracurricular activities by students in grades 6, 7, and 8, which of the following aspects of the study will prevent the results from being generalized to all students in grades 6, 7, and 8 in the US?

(A) The selected students are not all from the same school.

(B) The number of selected students is too small.

(C) The number of selected students from each grade is different.

(D) The students were not selected at random from all students in grades 6, 7, and 8 in the US.

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x	y
$-2s$	20
$-s$	16
s	8

The table shows three values of x and their corresponding values of y, where s is a constant. There is a linear relationship between x and y. Which of the following equations represents this relationship?

(A) $sx + 4y = 12s$

(B) $4x + sy = 12s$

(C) $4x + sy = 12$

(D) $sx + 4y = 12$

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Student-produced response directions

- If you find **more than one correct answer**, enter only one answer.
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17 Mark for Review

$$x(kx - 68) = -4$$

In the given equation, k is an integer constant. If the equation has no real solution, what is the least possible value of k?

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18 Mark for Review

A circle in the xy-plane has its center at $(-2, -4)$. Line k is tangent to this circle at the point $(-5, -5)$. What is the slope of line k?

(A) -3

(B) $-\frac{1}{3}$

(C) $\frac{1}{3}$

(D) 3

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$$-5x + 15rx = 135$$

In the given equation, r is a constant. The equation has no solution. What is the value of r?

(A) $\frac{1}{9}$

(B) $\frac{1}{3}$

(C) 3

(D) 9

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20 Mark for Review

$$P(t) = 210(1.03)^{(\frac{4}{t})t}$$

The function P models the population, in thousands, of a certain city t years after 2006. According to the model, the population is predicted to increase by 3% every n months. What is the value of n?

(A) 8

(B) 12

(C) 18

(D) 72

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21 Mark for Review

In isosceles triangle ABC, sides AB and AC are congruent. Point D divides side BC such that the length of $\overline{BD}$ is $\frac{5}{7}$ of the length of $\overline{BC}$. Point E lies on side AB and point F lies on side AC such that when segments DE and DF are drawn, angle BED is congruent to angle CFD. If the length of $\overline{BE}$ is 10, what is the length of $\overline{CF}$?

(A) 4

(B) 14

(C) 50

(D) 70

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22 Mark for Review

The area of a rectangular region is increasing at a rate of 260 square feet per hour. Which of the following is closest to this rate in square meters per minute? (Use 1 meter = 3.28 feet.)

(A) 0.40

(B) 1.32

(C) 14.21

(D) 24.17

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Math module 2

1 Mark for Review

A choir of 48 singers has 12 members who sing bass. If one singer from the choir is selected at random, what is the probability of selecting a singer who sings bass?

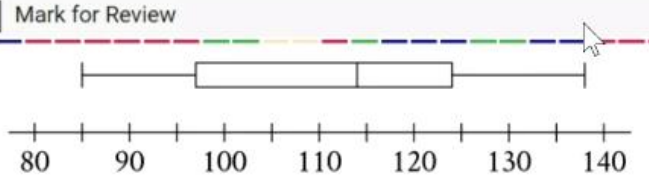
(A) $\frac{1}{48}$

(B) $\frac{12}{48}$

(C) $\frac{36}{48}$

(D) $\frac{48}{48}$

2 Mark for Review



Number of units sold per day

A store owner recorded the number of units of a certain product that were sold per day for 28 days. What is the minimum number of units of this product sold per day for these 28 days?

3 Mark for Review

$$T(x) = 61 - 8x$$

The function T estimates the temperature, in degrees Fahrenheit ($^\circ$F), in a certain city one day in January, where x is the number of hours after 10 a.m. and $1 \leq x \leq 7$. Which statement is the best interpretation of $T(5) = 21$ in this context?

(A) 5 hours after 10 a.m., the function estimates that the temperature is 21°F.

(B) 5 hours before 10 a.m., the function estimates that the temperature decreased 21°F.

(C) 5 hours after 10 a.m., the function estimates that the temperature decreased 21°F.

(D) 5 hours before 10 a.m., the function estimates that the temperature is 21°F.

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4 Mark for Review

The graph of the function f in the xy-plane, where $y = f(x)$, has x-intercepts of $(-5, 0)$, $(3, 0)$, and $(6, 0)$. Which of the following must be true?

(A) $f(0) = -5$

(B) $f(0) = 3$

(C) $f(5) = 0$

(D) $f(6) = 0$

5 Mark for Review

If $f(x) = x + 2$ and $g(x) = 2x$, what is the value of $3f(-5) - g(-5)$?

(A) -19

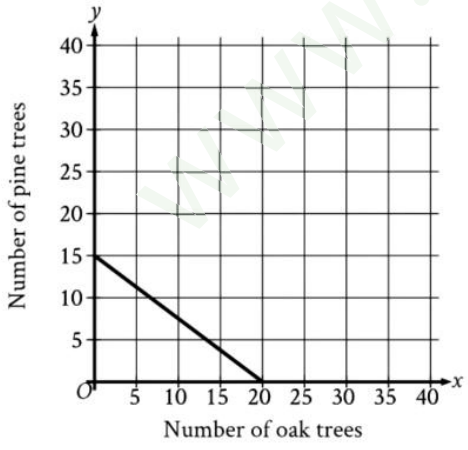
(B) -3

(C) 1

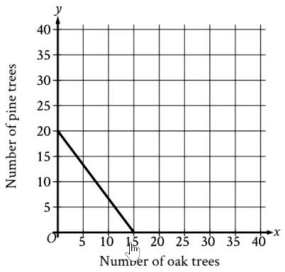
(D) 7

A botanist wants to plant certain types of oak trees and pine trees in a 600-foot-long row. Each of these oak trees requires 40 feet of space to grow, and each of these pine trees requires 30 feet of space to grow. The equation $40x + 30y = 600$ models the possible number of oak trees, x, and pine trees, y, that the botanist can plant. Which graph represents this relationship?

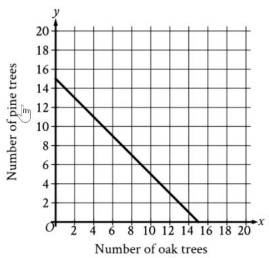
(A)



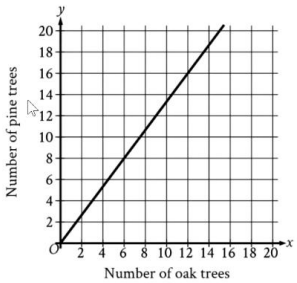
(B)



(C)



(D)



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7 Mark for Review

The number of bacteria in a liquid medium doubles every day. There are 72,000 bacteria in the liquid medium at the start of an observation. Which of the following represents the number of bacteria, y, in the liquid medium t days after the start of the observation?

(A) $y = \frac{1}{2}(72{,}000)^t$

(B) $y = 2(72{,}000)^t$

(C) $y = 72{,}000\left(\frac{1}{2}\right)^t$

(D) $y = 72{,}000(2)^t$

8 Mark for Review

For a certain isotope, at the end of every 29-year period, the mass of a sample of the isotope has decayed to half its mass at the beginning of the 29-year period. The function $s(t) = 216(0.5)^{\frac{t}{29}}$ gives the approximate mass of this isotope, in grams, that remains t years after a 216-gram sample starts to decay. Which statement is the best interpretation of $s(3 \cdot 29) = 27$ in this context?

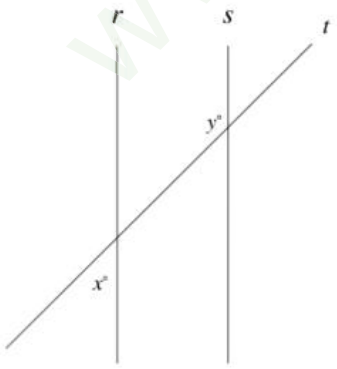
(A) The mass of the sample is approximately 27 grams 3 years after the sample starts to decay.

(B) The mass of the sample is approximately 27 grams 3 29-year periods after the sample starts to decay.

(C) The mass of the sample is approximately 3 grams 27 29-year periods after the sample starts to decay.

(D) The mass of the sample is approximately 3 grams 27 years after the sample starts to decay.

9 Mark for Review



Note: Figure not drawn to scale.

In the figure shown, line r is parallel to line s, and both lines are intersected by line t. If $x = 2w + 24$, $y = 5w + 29$, and $7w = a$, where a is a constant, what is the value of a?

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10 Mark for Review

$$f(x) = x + 4$$
$$g(x) = 3x^2 - rx + 48$$

The functions f and g are given. In function g, r is a constant. If $f(x) \cdot g(x) = 3x^3 + 192$, what is the value of r?

11 Mark for Review

Which quadratic equation has exactly one distinct real solution?

(A) $x^2 - 22 = 0$

(B) $x^2 - 11x = 0$

(C) $x^2 - 11x + 121 = 0$

(D) $x^2 - 22x + 121 = 0$

12 Mark for Review

The positive number a is $2{,}800\%$ of the number c, and c is 20% of the number b. What is the value of $a - b$ in terms of c?

(A) $23c$

(B) $140c$

(C) $560c$

(D) $2{,}240c$

13 Mark for Review

A circle is inscribed in a square such that the circumference of the circle touches the midpoint of each side of the square. The length of the diagonal of the square is 176 units. What is the area, in square units, of the circle?

(A) $3{,}872\pi$

(B) $7{,}744\pi$

(C) $15{,}488\pi$

(D) $30{,}976\pi$

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14 Mark for Review

Lines h and k are graphed in the xy-plane. The graph of line h has a slope of $\frac{5}{3}$ and an x-intercept at $(17, 0)$. Line k is the result of translating the graph of line h down 4 units. What is the y-coordinate of the y-intercept of the graph of line k?

15 Mark for Review

For each of two rectangles, the ratio of the rectangle's length to its width is 10 to 5. The width of rectangle X is 16.5 times the width of rectangle Y. How does the length of rectangle X compare to the length of rectangle Y?

(A) The length of rectangle X is 0.5 times the length of rectangle Y.

(B) The length of rectangle X is 2 times the length of rectangle Y.

(C) The length of rectangle X is 16.5 times the length of rectangle Y.

(D) The length of rectangle X is 33 times the length of rectangle Y.

16 Mark for Review

$$k + 21 = 63$$

What is the solution to the given equation?

(A) 3

(B) 42

(C) 84

(D) 1,323

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17 Mark for Review

Point N lies on a unit circle in the xy-plane and has coordinates $(1, 0)$. Point O is the center of the circle and has coordinates $(0, 0)$. Point M also lies on the unit circle, and the measure of angle NOM is $\frac{272\pi}{3}$ radians. If the coordinates of point M are (a, b), where a and b are constants, what is the value of a?

(A) $\frac{1}{2}$

(B) $\frac{\sqrt{3}}{2}$

(C) $-\frac{1}{2}$

(D) $-\frac{\sqrt{3}}{2}$

18 Mark for Review

Rectangle $ABCD$ is similar to rectangle $EFGH$. The area of rectangle $ABCD$ is 648 square inches, and the area of rectangle $EFGH$ is 72 square inches. The length of the longest side of rectangle $ABCD$ is 36 inches. What is the length, in inches, of the longest side of rectangle $EFGH$?

(A) 4

(B) 9

(C) 12

(D) 36

19 Mark for Review

$$2x + 5y = 3$$
$$8x + 20y = 12$$

For each real number r, which of the following points lies on the graph of each equation in the xy-plane for the given system?

(A) $(r, -\frac{5r}{2} + \frac{3}{2})$

(B) $(r, \frac{2r}{5} + \frac{3}{5})$

(C) $(\frac{r}{4} + 3, -\frac{r}{4} + 12)$

(D) $(-\frac{5r}{2} + \frac{3}{2}, r)$

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20 Mark for Review

$$34z^{14} + bz^7 + 70$$

In the given expression, b is a positive integer. If $qz^7 + r$ is a factor of the expression, where q and r are positive integers, what is the greatest possible value of b?

21 Mark for Review

If $\frac{x-4}{5} = \frac{x-4}{7}$, the value of $x - 4$ is between which of the following pairs of values?

(A) -7 and -5

(B) -3 and 3

(C) 3.5 and 4.5

(D) 4.75 and 7.25

22 Mark for Review

A computer repair specialist charges $160 for the first two hours of repair plus an hourly fee for each additional hour. The total cost for 4 hours of repair is $240. Which function f gives the total cost, in dollars, for x hours of repair, where $x \geq 2$?

(A) $f(x) = 40x + 80$

(B) $f(x) = 40x + 160$

(C) $f(x) = 60x$

(D) $f(x) = 60x + 160$

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- Section1 **M1** R & W
- Q1-10 CACBC CDCDC
- Q11-20 CCBCC DADAC
- Q21-27 DACDC BD

- Section1 **M2** R & W
- Q1-10 DDBAB CBBBD
- Q11-20 AAABA DBBCD
- Q21-27 BADBA AB

- Section1 M2 Math
- Q1-10 B 85 A D C B D B 127 12
- Q11-20 C A B -97/3 C B B A D 2380
- Q21-22 B B

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