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QUESTION 1



Drag and drop the correct answer into the space(s) provided.

Convert each angle measure.

- Convert
 252°
to radians.

$$252^\circ =$$

$$\frac{7\pi}{5}$$



rd

- Convert
 $\frac{5\pi}{3}$
to degrees.

$$\frac{5\pi}{3} =$$

$$300$$



o

240	$\frac{14\pi}{15}$	150	$\frac{7\pi}{10}$	$\frac{7\pi}{20}$	330
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QUESTION 2



Drag and drop the correct answer into the space(s) provided.

Identify a positive and negative coterminal angle for each given angle.

A positive angle coterminal with

$$210^\circ$$

is ✓

A negative coterminal angle with

$$210^\circ$$

is ✓

A positive angle coterminal with

$$\frac{3\pi}{4}$$

is ✓

A negative coterminal angle with

$$\frac{3\pi}{4}$$

is ✓

$-\frac{11\pi}{4}$

$\frac{7\pi}{4}$

-570°

30°

$\frac{5\pi}{4}$

150°



QUESTION 3



Drag and drop the correct answer into the space(s) provided.

A circle has radius

$$r = 3\frac{9}{11}$$

meters.

What is the arc length, s , for

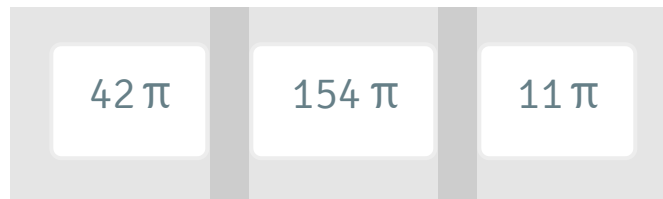
$$\theta = \frac{11\pi}{3}$$

?

$s =$



m



QUESTION 4



Fill in the blank(s) with the correct answer.

Convert each angle measure.

- Convert
 315°
to radians.

$$315^\circ =$$

$$\frac{7\pi}{4}$$



- Convert
 $\frac{6\pi}{5}$
to degrees.

$$\frac{6\pi}{5} =$$

$$216$$



o

QUESTION 5



Fill in the blank(s) with the correct answer.

Convert each angle measure.

- Convert
 150°
to radians.

$$150^\circ =$$

$$\frac{5\pi}{6}$$



- Convert

$$\frac{5\pi}{4}$$

to degrees.

$$\frac{5\pi}{4} =$$

225



°

QUESTION 6



Fill in the blank(s) with the correct answer.

Identify a positive and negative coterminal angle for each given angle.

Make sure the angles are between

-540°

and

540°

when in degrees and between

-3π

and

3π

when in radians.

Given an angle measure of

$$-12^\circ$$

, a positive coterminal angle is



o

and a negative coterminal angle is



o

Given an angle measure of

$$\frac{5\pi}{6}$$

, a positive coterminal angle is



and a negative coterminal angle is



QUESTION 7



Fill in the blank(s) with the correct answer.

A circle has radius

$$r = 6\frac{2}{7}$$

meters.

What is the arc length, s , for

$$\theta = \frac{7\pi}{2}$$

?

Do not approximate.

$s =$ 22π 

m

QUESTION 8



Fill in the blank(s) with the correct answer.

A circle has radius

$$r = 7\frac{3}{5}$$

meters.

What is the arc length, s , for

$$\theta = \frac{5\pi}{2}$$

?

 $s =$

19

 π

m

QUESTION 9



Choose the correct answer from the drop-down menu.

Convert each angle measure.

- Convert 240° to radians.

$$240^\circ =$$

$$\frac{4\pi}{3}$$

✓ ▼

- Convert $\frac{4\pi}{9}$ to degrees.

$$\frac{4\pi}{9} =$$

$$80^\circ$$

✓ ▼

QUESTION 10



Choose the correct answer from the drop-down menu.

Identify a positive and negative coterminal angle for each given angle.

A positive and negative coterminal angle for 140°

is 500° and -220° ✓ ▼.

A positive and negative coterminal angle for

$$\frac{2\pi}{7}$$

is $\frac{16\pi}{7}$ and $-\frac{12\pi}{7}$ ✓ ▼

QUESTION 11



Choose the correct answer from the drop-down menu.

Identify a positive and a negative coterminal angle for each given angle.

Given an angle measure of

$$-80^\circ$$

, a positive and negative coterminal angle are

280° and -440° ✓ ▼

Given an angle measure of

$$\frac{9\pi}{10}$$

, a positive and negative coterminal angle are

$\frac{29\pi}{10}$ and $-\frac{11\pi}{10}$ ✓ ▼

QUESTION 12



Choose the correct answer from the drop-down menu.

A circle has radius

$$r = 4\frac{1}{5}$$

centimeters.

What is the arc length, s , for

$$\theta = \frac{5\pi}{3}$$

?

$s =$

cm

QUESTION 13



Select the correct option.

A circle has radius

$$r = 4\frac{4}{13}$$

centimeters.

What is the arc length, s , for

$$\theta = \frac{13\pi}{8}$$

?

☐ $s = 448\pi$ cm

☐ $s = 7\pi$

☒	cm	
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☐	$s = 56\pi$ cm
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☐	$s = 13\pi$ cm
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QUESTION 14



Which angles are coterminal to

170°

?

☐	340°
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☒	530°	
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☐	-530°
--------------------------	--------------

☐	540°
--------------------------	-------------

☐	190°
--------------------------	-------------

☐ ☐
☐ -190° 

QUESTION 15



Which angle measure conversions are correct?
Select all that apply.

☐ $\frac{7\pi}{12} = 255^\circ$
☐ $\frac{7\pi}{12} = 210^\circ$
☐ $\frac{7\pi}{12} = 105^\circ$ 
☐ $40^\circ = \frac{2\pi}{9}$ 
☐ $40^\circ = \frac{4\pi}{9}$

☐

$$40 - \frac{\pi}{9}$$

☐

$$40^\circ = \frac{\pi}{9}$$