GRADE 11 UNIT 9 TRIG QUESTIONS

1. The general form For Sin(x) = -√3/2 for the value of x?

A. $2n\pi \pm 2/3\pi$

B. $5/3\pi \pm n\pi/2$

C. $4/3\pi \pm 2n\pi$

D. $2n\pi \pm 2n\pi/3$

2. Which of the following is odd function?
   A. Csc (x)
   B. Sin (x)
   C. Cos (x)
   D. Tan (x)
3. Which of the following correct statement?
   A. The domain of Arcsine is [-1,1]
   B. The domain of Arccosine is $[-\pi/2, \pi/2]$
   C. The graph of F^{-1}can be obtained by reflecting X=2y
   D. Range of Arctan is $(-\infty,\infty)$
4. Which of the following true about Y= 3Sin(4x)
   A. Amplitude is -3
   B. Period is $\pi/4$
   C. Range is [-4,4]
   D. It is one to one
5. What is value of x in tan x = -1/√3 if range is between $[-\pi/2, \pi/2]$
   A. $-4\pi/5$
   B. $\pi/6$
   C. $-\pi/6$
   D. $\pi/3$
6. Which of the following true about Y= 3cos(3x)
   A. The minimum value is $\pi/3$
   B. The maximum value is 3
   C. The Amplitude is 2
   D. Period is $3\pi/2$

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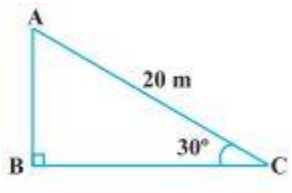
7. if sin x = b $|b| \leq 1$ and b is 0 what is the general formula of the set of values?
   A. $2n\pi$
   B. $n\pi$
   C. 3π
   D. $n\pi/2$
8. The EMF of $E = 20\sin\pi$ and Resistance is 5, Which statement is False about The EMF?
   A. Frequency is 0.5
   B. Period is 2
   C. The max current is 4 ampere
   D. Phase angle is 2
9. $Tan^{-1}(x) = 1$
   A. $\pi/4$
   B. $4\pi/3$
   C. $\pi/6$
   D. $\pi/3$
10. 

Fig. 9.11

A circus artist is climbing a 20 m long rope, which is tightly stretched and tied from the top of a vertical pole to the ground. Find the height of the pole, if the angle made by the rope with the ground level is 30°

A. 20 m
B. 30m
C. 10m
D. $50\sqrt{3}$m

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Thanks For Working

These Questions

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