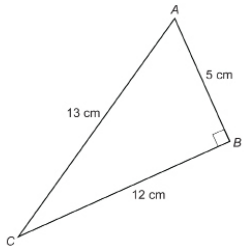
Unit 6 Review Name: _____

Find all 6 trig ratios for angle A.



1) Sin A = _____ 4) Csc A = _____

2) Cos A = _____ 5) Sec A = _____

3) Tan A = _____ 6) Cot A = _____

Identify what quadrant the terminal side of an angle measuring the indicated amount would lie.

7. $\frac{6\pi}{5}$ _____

8. $\frac{13\pi}{7}$ _____

9. $\frac{8\pi}{11}$ _____

Identify the measurement of angle *x,* in degrees, assuming the following characteristics of the angle.

10. $\sin x = 0, \cos x = -1$ _____

11. $\sin x = \frac{-\sqrt{3}}{2}, \cos x = \frac{1}{2}$ _____

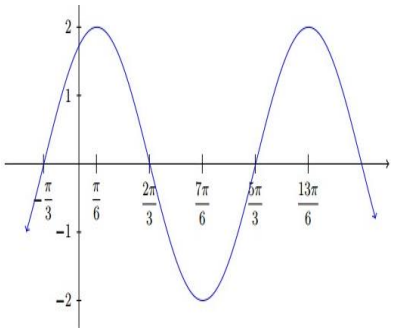
12. $\csc x = 2, \sec x = \frac{2}{\sqrt{3}}$ _____

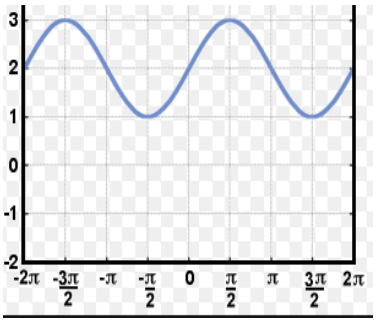
13. **What is the minimum value of *y* in the equation** $y = 2\sin x$ **?**

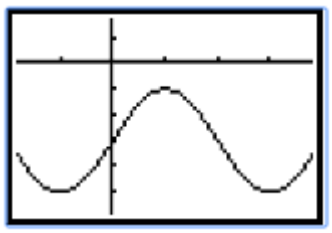
14. **What is the maximum value of *y* in the equation** $y = -4\cos x$ **?**

15. **What is the minimum value of *y* in the equation** $y = 3\sin x - 5$ **?**

Identify the amplitude of the function in each of graphs.

16. 

17. 

18. 

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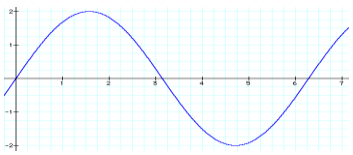
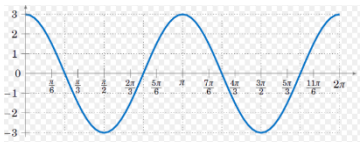
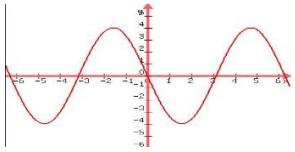
State the equation for the following functions.

19. 

20. 

21. 

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