

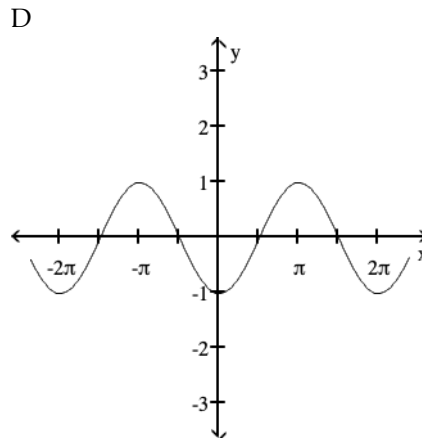
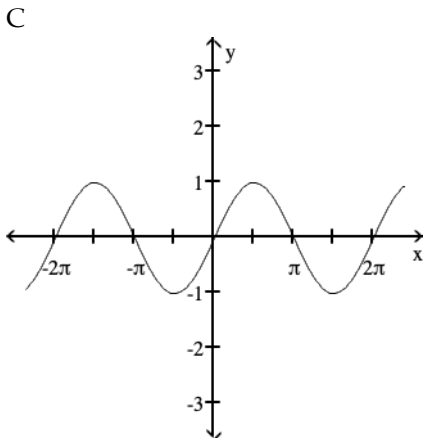
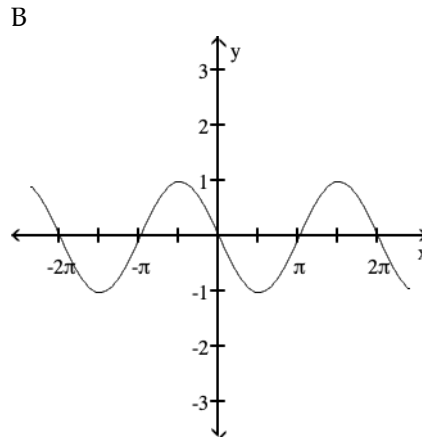
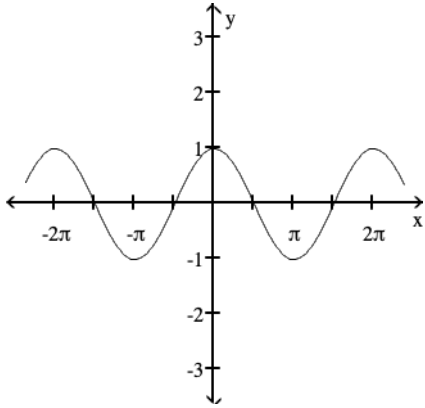
Graphs of Trigonometric Functions

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Match the given function to its graph.

- 1) $y = \sin x$ 2) $y = \cos x$
 3) $y = -\sin x$ 4) $y = -\cos x$

1) _____



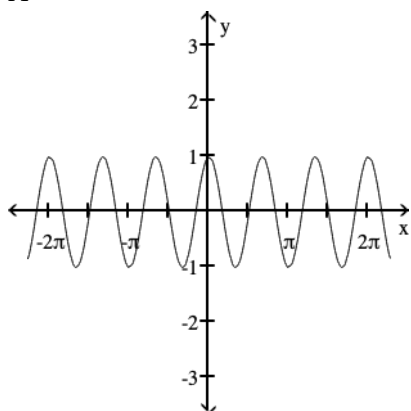
- A) 1A, 2D, 3C, 4B
 C) 1B, 2D, 3C, 4A

- B) 1A, 2B, 3C, 4D
 D) 1C, 2A, 3B, 4D

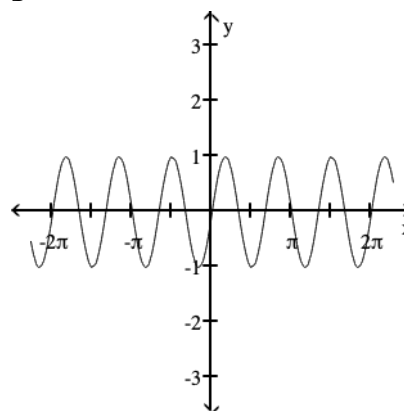
- 2) 1) $y = \sin 3x$ 2) $y = 3 \cos x$
 3) $y = 3 \sin x$ 4) $y = \cos 3x$

2) _____

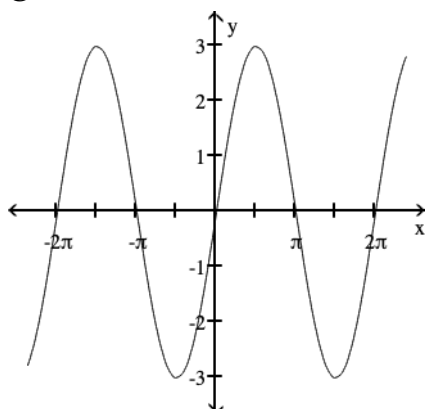
A



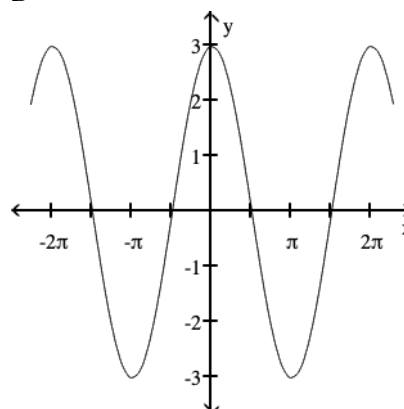
B



C



D



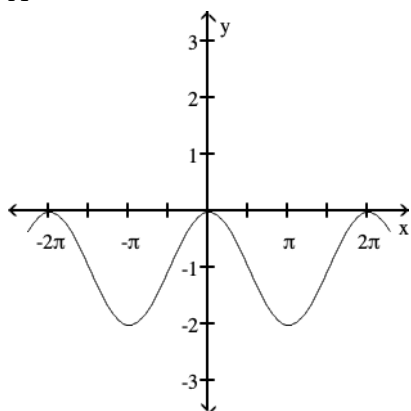
- A) 1A, 2C, 3D, 4B
 C) 1A, 2D, 3C, 4B

- B) 1B, 2D, 3C, 4A
 D) 1A, 2B, 3C, 4D

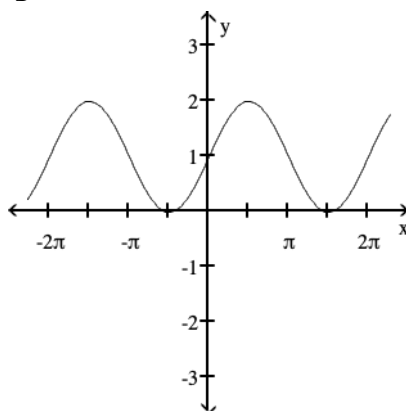
- 3) 1) $y = 1 + \sin x$ 2) $y = 1 + \cos x$
 3) $y = -1 + \sin x$ 4) $y = -1 + \cos x$

3) _____

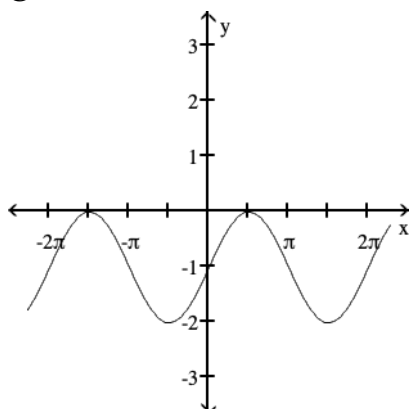
A



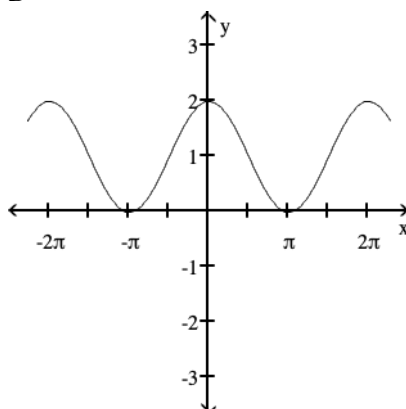
B



C



D



- A) 1B, 2D, 3C, 4A
 C) 1A, 2D, 3C, 4B

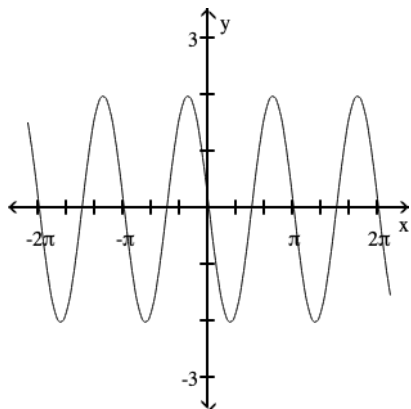
- B) 1A, 2C, 3D, 4B
 D) 1A, 2B, 3C, 4D

4) 1) $y = -2 \sin(2x)$ 2) $y = -2 \sin\left(\frac{1}{2}x\right)$

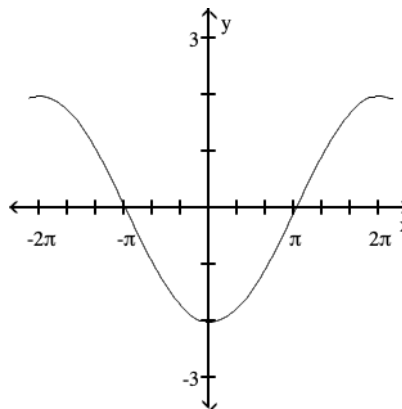
4) _____

3) $y = -2 \cos(2x)$ 4) $y = -2 \cos\left(\frac{1}{2}x\right)$

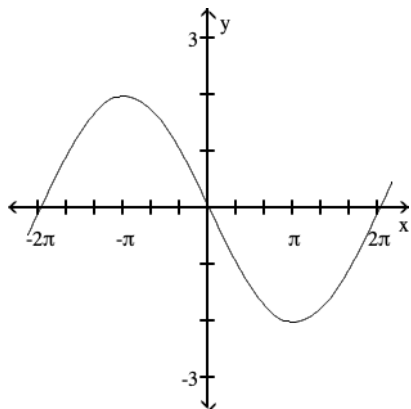
A



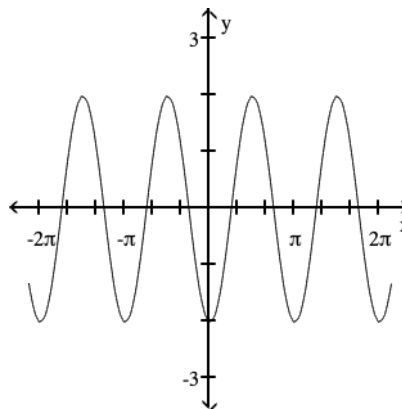
B



C



D



A) 1D, 2B, 3A, 4C

C) 1C, 2A, 3D, 4B

B) 1C, 2A, 3B, 4D

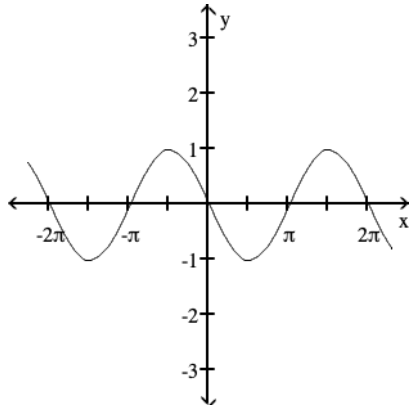
D) 1A, 2C, 3D, 4B

5) 1) $y = \sin(x - \frac{\pi}{2})$ 2) $y = \cos(x + \frac{\pi}{2})$

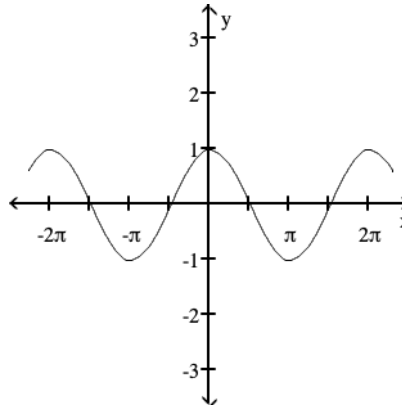
5) _____

3) $y = \sin(x + \frac{\pi}{2})$ 4) $y = \cos(x - \frac{\pi}{2})$

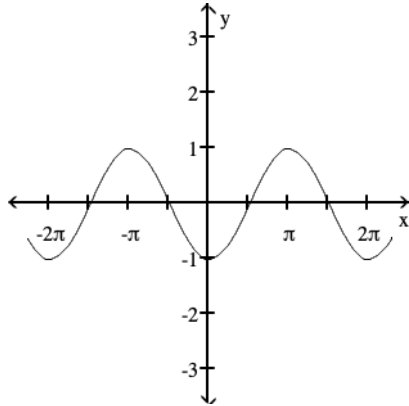
A



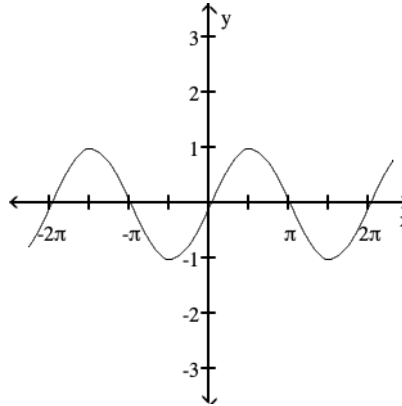
B



C



D



A) 1A, 2B, 3C, 4D

B) 1C, 2A, 3B, 4D

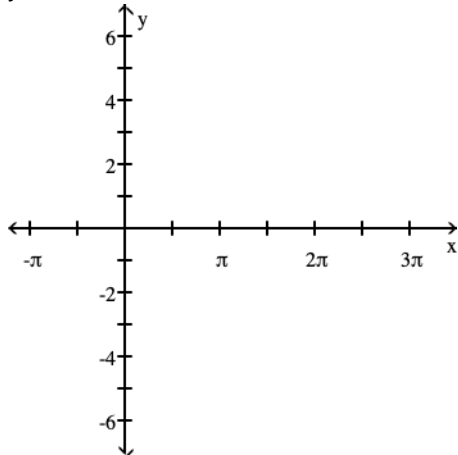
C) 1A, 2D, 3C, 4B

D) 1B, 2D, 3C, 4A

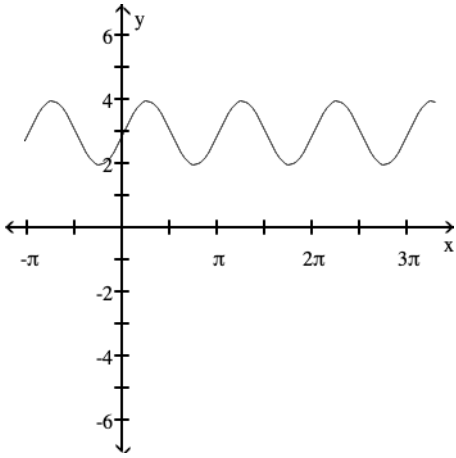
Graph the sinusoidal function.

6) $y = 3 \sin(2x)$

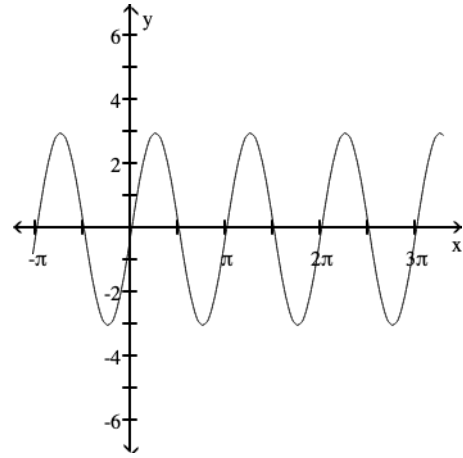
6) _____



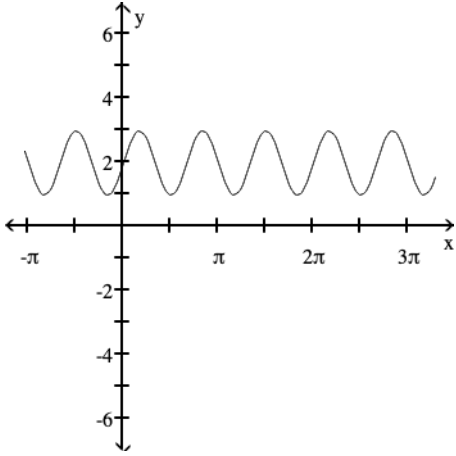
A)



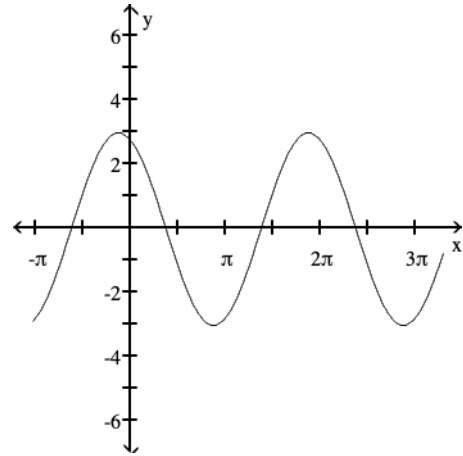
B)



C)

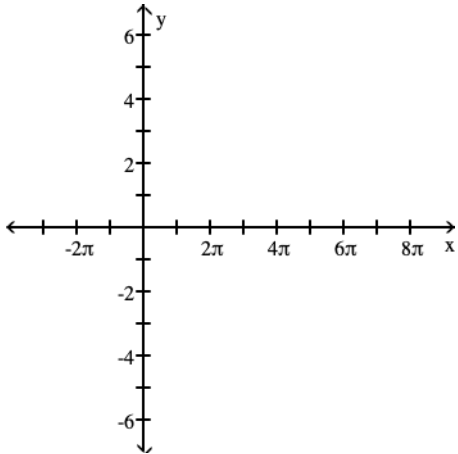


D)

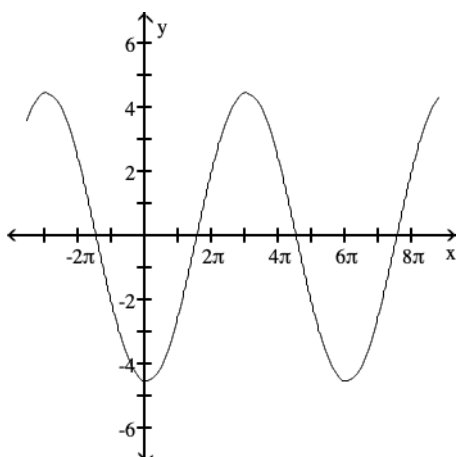


7) $y = \frac{9}{2} \cos(-\frac{1}{3}x)$

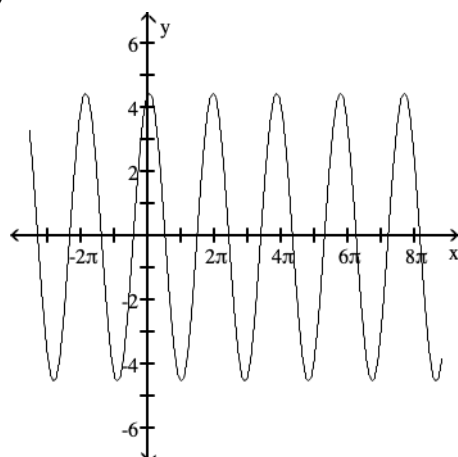
7) _____



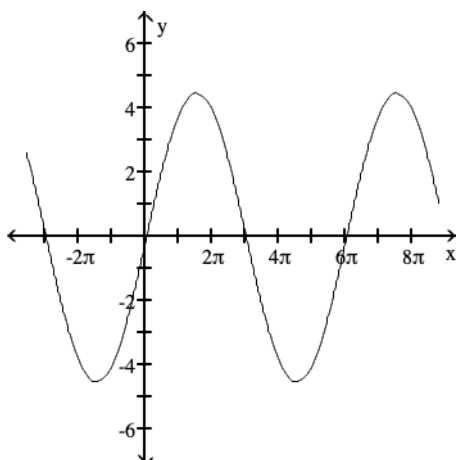
A)



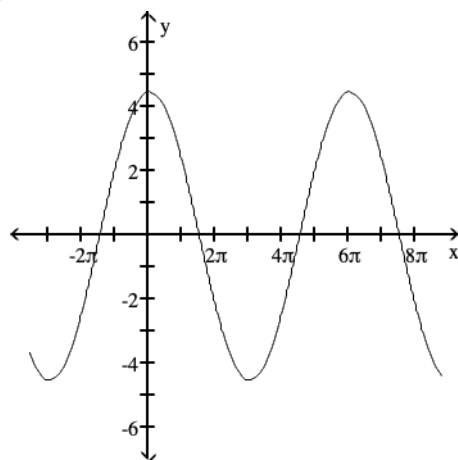
B)



C)

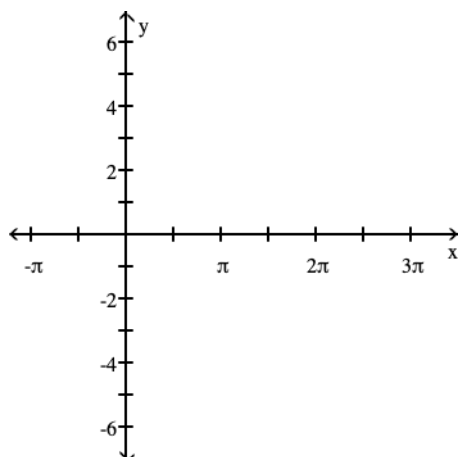


D)

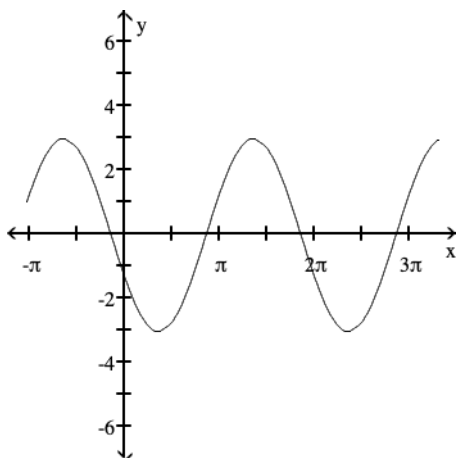


8) $y = -3 \sin\left(\frac{1}{2}x\right)$

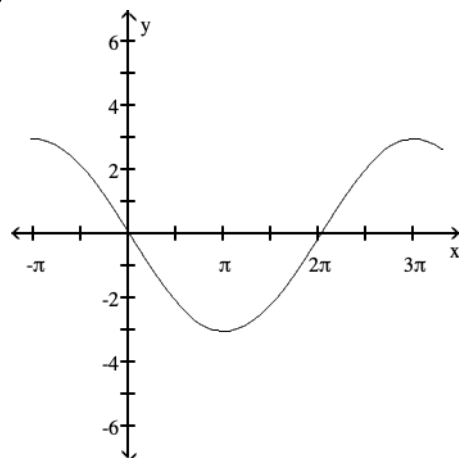
8) _____



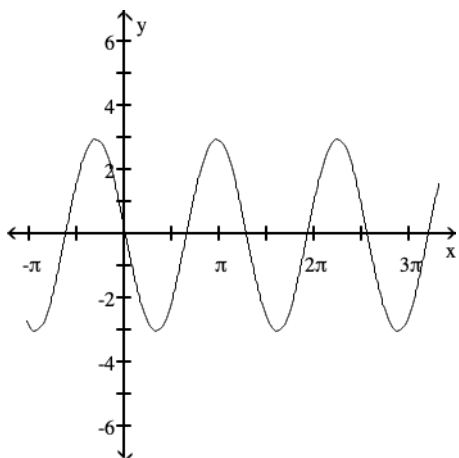
A)



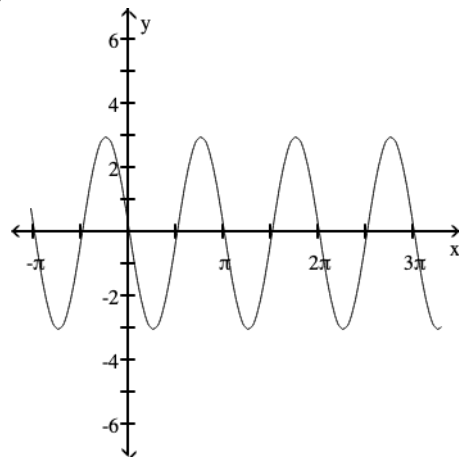
B)



C)



D)

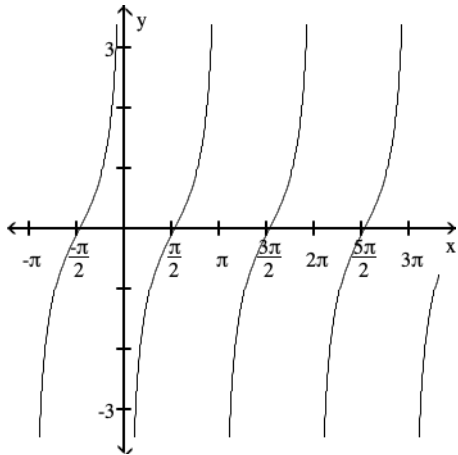


Match the function to its graph.

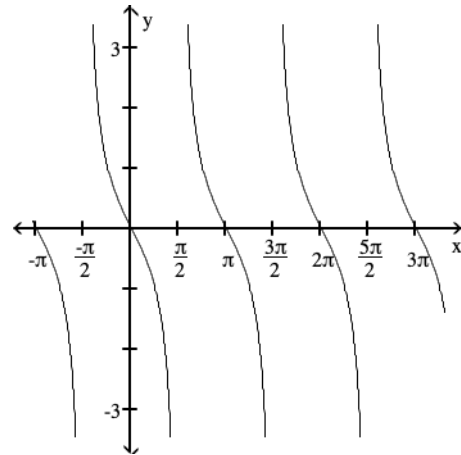
9) $y = -\tan x$

9) _____

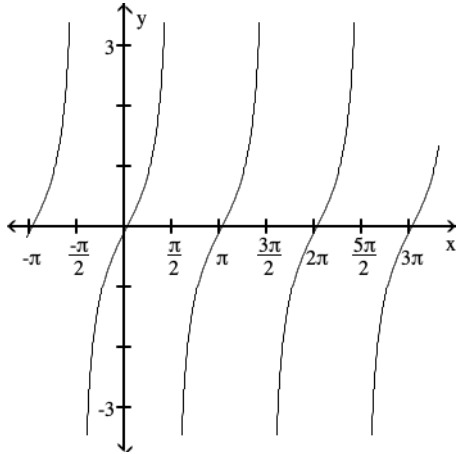
A)



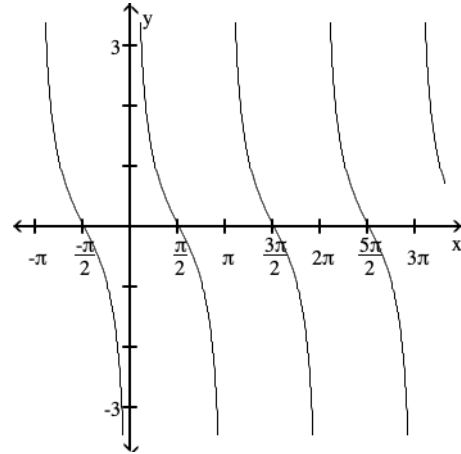
B)



C)



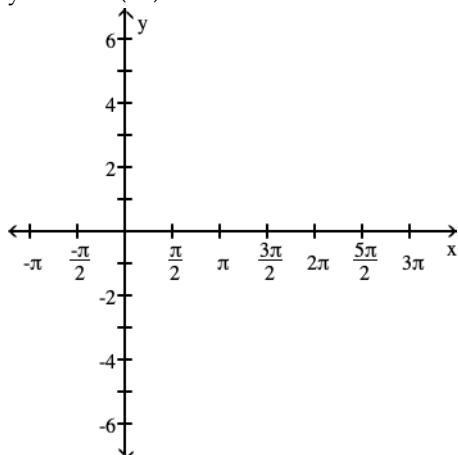
D)



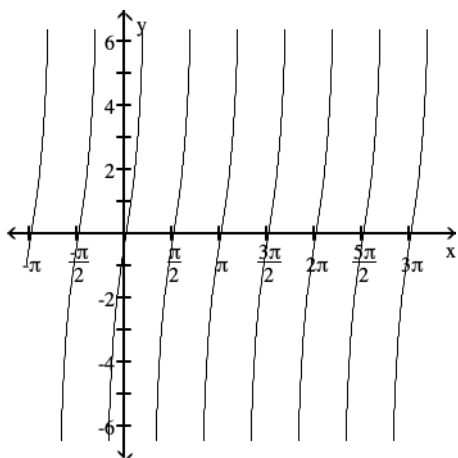
Graph the function.

10) $y = 3 \tan(2x)$

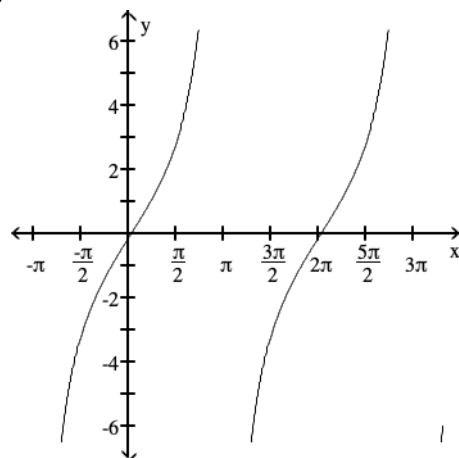
10) _____



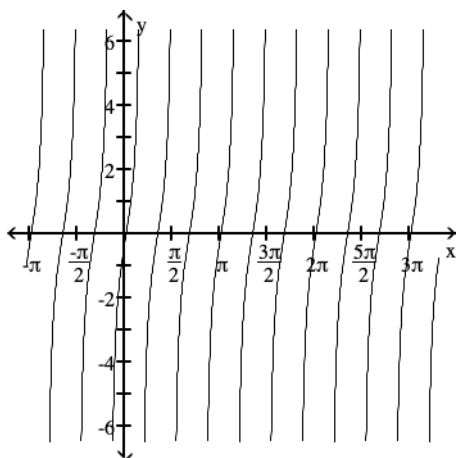
A)



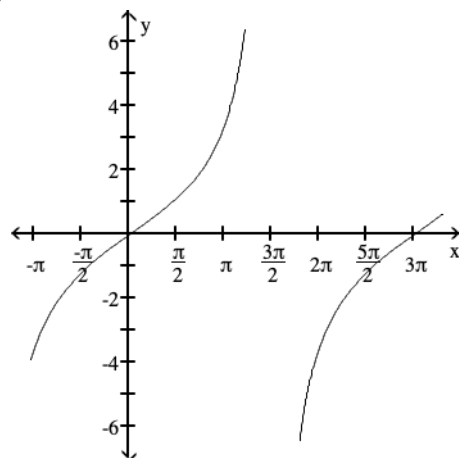
B)



C)



D)



Answer Key

Testname: GRAPHS OF TRIGONOMETRIC FUNCTIONS

- 1) D
- 2) B
- 3) A
- 4) D
- 5) B
- 6) B
- 7) D
- 8) B
- 9) B
- 10) A