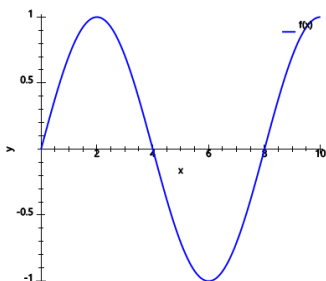




Sinusoidal Function Parameters (1 Param) - Graph to Function

1 Which function would have a graph with this period?

$y = \pi(x)$



A

$$f(x) = \sin\left(\frac{3}{4}\pi x\right)$$

B

$$f(x) = \sin\left(\frac{5}{4}\pi x\right)$$

C

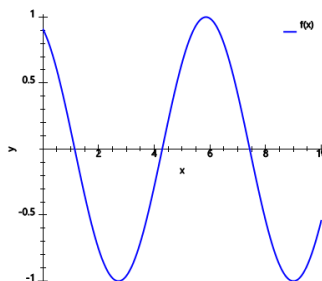
$$f(x) = \sin\left(\frac{1}{4}\pi x\right)$$

D

$$f(x) = \sin\left(\frac{6}{4}\pi x\right)$$

2 Which function would have a graph with this phase shift?

$y = \pi(x)$



A

$$f(x) = \sin\left(x - \frac{5}{6}\right)$$

B

$$f(x) = \sin\left(x + \frac{3}{6}\right)$$

C

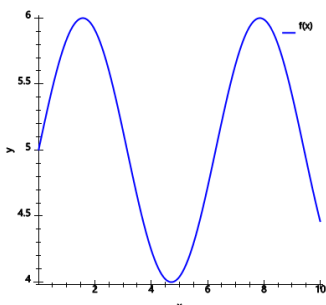
$$f(x) = \sin\left(x - \frac{3}{6}\right)$$

D

$$f(x) = \sin(x + 2)$$

3 Which function would have a graph with this vertical shift?

$y = \pi(x)$



A

$$f(x) = \cos(x) + 2$$

B

$$f(x) = \cos(x) + 5$$

C

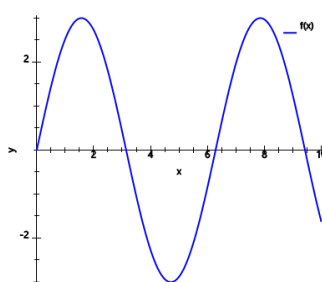
$$f(x) = \cos(x) + 3$$

D

$$f(x) = \cos(x) - 1$$

4 Which function would have a graph with this amplitude?

$y = \pi(x)$



A

$$f(x) = 3\sin(x)$$

B

$$f(x) = \sin(x)$$

C

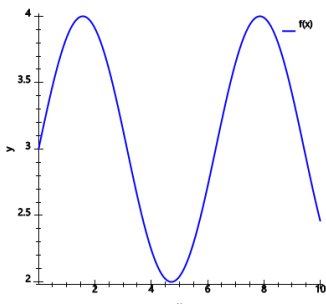
$$f(x) = -2\sin(x)$$

D

$$f(x) = -3\sin(x)$$

5 Which function would have a graph with this vertical shift?

$y = \pi(x)$



A

$$f(x) = \sin(x) + 1$$

B

$$f(x) = \sin(x)$$

C

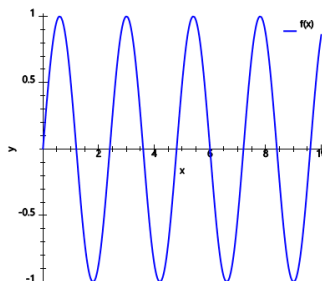
$$f(x) = \sin(x) + 3$$

D

$$f(x) = \sin(x) - 2$$

6 Which function would have a graph with this period?

$y = \pi(x)$



A

$$f(x) = \sin\left(\frac{3}{6}\pi x\right)$$

B

$$f(x) = \sin\left(\frac{5}{6}\pi x\right)$$

C

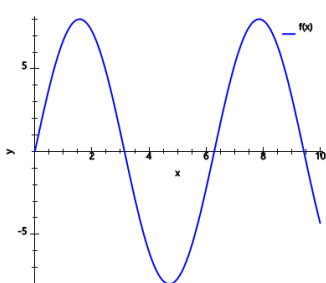
$$f(x) = \sin\left(\frac{8}{6}\pi x\right)$$

D

$$f(x) = \sin\left(\frac{10}{6}\pi x\right)$$

7 Which function would have a graph with this amplitude?

$y = \pi(x)$



A

$$f(x) = 8\cos(x)$$

B

$$f(x) = \cos(x)$$

C

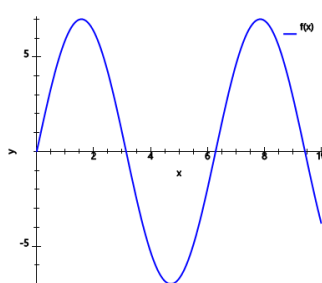
$$f(x) = -3\cos(x)$$

D

$$f(x) = 2\cos(x)$$

8 Which function would have a graph with this amplitude?

$y = \pi(x)$



A

$$f(x) = 7\sin(x)$$

B

$$f(x) = -5\sin(x)$$

C

$$f(x) = 4\sin(x)$$

D

$$f(x) = -2\sin(x)$$