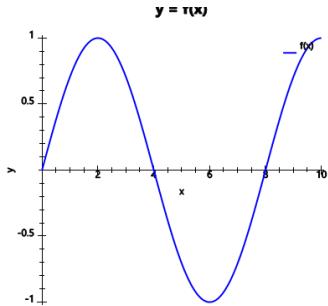




## Sinusoidal Function Parameters (1 Param) - Graph to Function



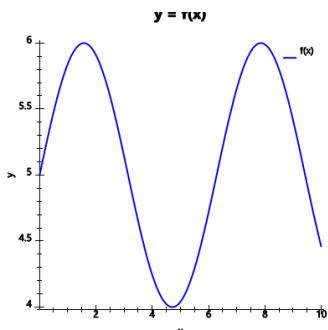
1 Which function would have a graph with this period?



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

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



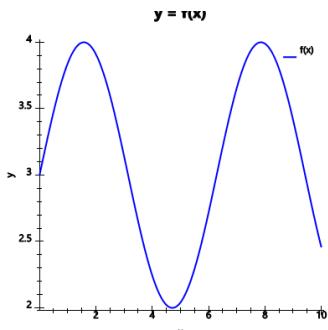
A  $f(x) = \cos(x) + 2$

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

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

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

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



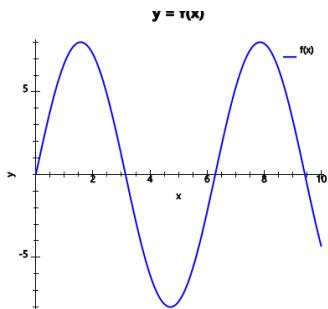
A  $f(x) = \sin(x) + 1$

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

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

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

7 Which function would have a graph with this amplitude?



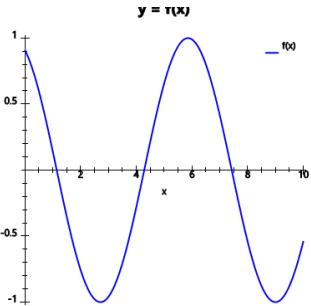
A  $f(x) = 8 \cos(x)$

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

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

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

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



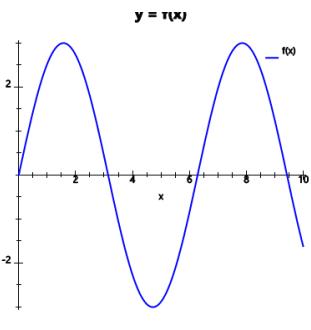
A  $f(x) = \sin(x - \frac{5}{6}\pi)$

B  $f(x) = \sin(x + \frac{3}{6}\pi)$

C  $f(x) = \sin(x - \frac{3}{6}\pi)$

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

4 Which function would have a graph with this amplitude?



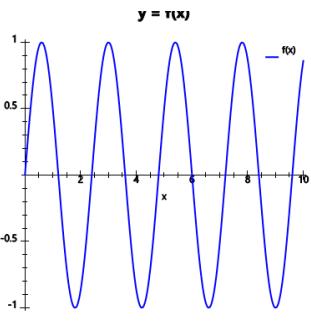
A  $f(x) = 3 \sin(x)$

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

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

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

6 Which function would have a graph with this period?



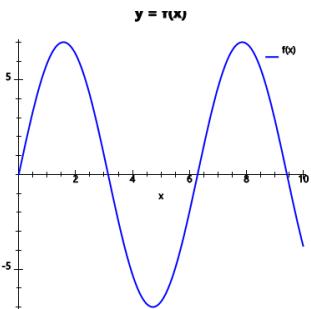
A  $f(x) = \sin\left(\frac{3}{6}\pi x\right)$

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

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

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

8 Which function would have a graph with this amplitude?



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

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

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

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