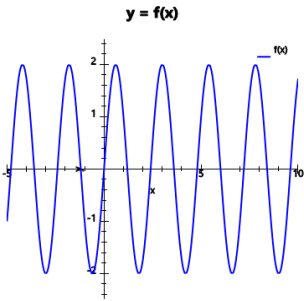




## Sinusoidal Function Parameters (2 Params) - Graph to Function

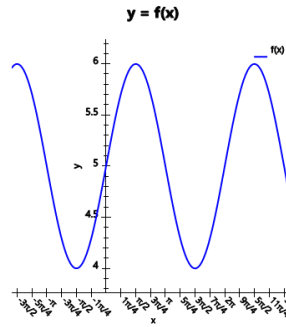
1 Which function would have a graph with this period?



A  $f(x) = 2 \sin\left(\frac{2}{6}\pi x\right)$  B  $f(x) = 2 \sin\left(\frac{5}{6}\pi x\right)$

C  $f(x) = 2 \sin\left(\frac{8}{6}\pi x\right)$  D  $f(x) = 2 \sin\left(\frac{3}{6}\pi x\right)$

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



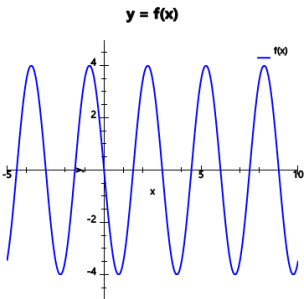
A  $f(x) = \cos\left(x - \frac{4}{6}\pi\right) + 5$

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

C  $f(x) = \cos(x + 6\pi) + 5$

D  $f(x) = \cos\left(x - \frac{7}{6}\pi\right) + 5$

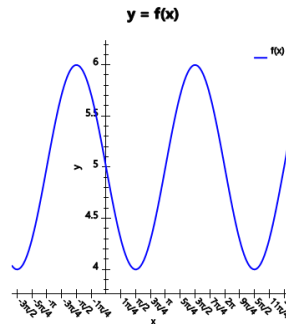
3 Which function would have a graph with this period?



A  $f(x) = -4 \sin\left(\frac{2}{3}\pi x\right)$  B  $f(x) = -4 \sin\left(\frac{5}{3}\pi x\right)$

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

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



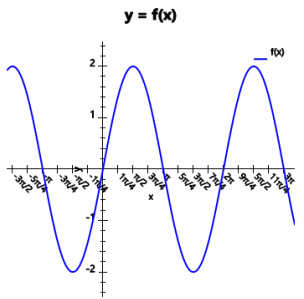
A  $f(x) = \sin\left(x - \frac{8}{6}\pi\right) + 5$

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

C  $f(x) = \sin\left(x - \frac{3}{6}\pi\right) + 5$

D  $f(x) = \sin(x + 7\pi) + 5$

5 Which function would have a graph with this amplitude?



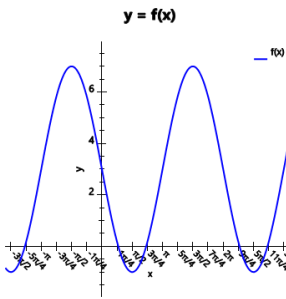
A  $f(x) = \sin(x + 3\pi)$

B  $f(x) = -2 \sin(x + 3\pi)$

C  $f(x) = 4 \sin(x + 3\pi)$

D  $f(x) = 2 \sin(x + 3\pi)$

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



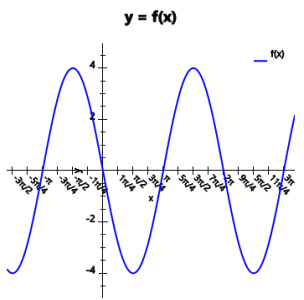
A  $f(x) = -4 \cos(x) + 3$

B  $f(x) = -4 \cos(x) - 3$

C  $f(x) = -4 \cos(x)$

D  $f(x) = -4 \cos(x) - 5$

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



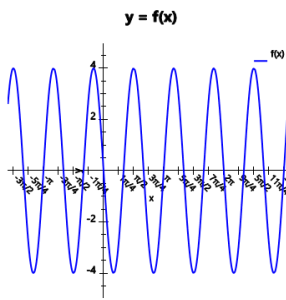
A  $f(x) = -4 \sin(x + 6\pi)$

B  $f(x) = -4 \sin\left(x - \frac{5}{6}\pi\right)$

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

D  $f(x) = -4 \sin\left(x - \frac{2}{6}\pi\right)$

8 Which function would have a graph with this period?



A  $f(x) = -4 \sin(6x)$

B  $f(x) = -4 \sin(3x)$

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

D  $f(x) = -4 \sin(5x)$