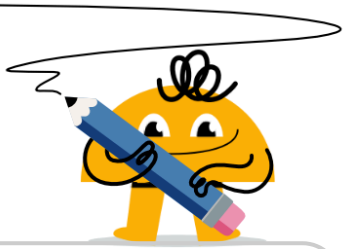
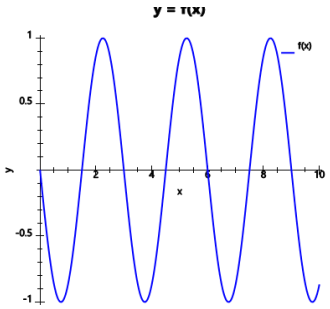
Name

Sinusoidal Function Parameters (2 Params) - Graph to Function



1 Which function would have a graph with this period?

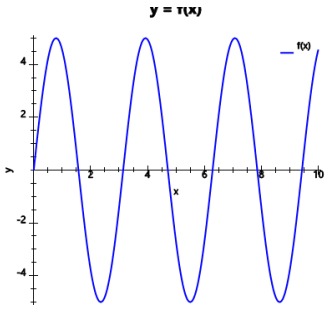


A $f(x) = \sin(\frac{4}{3}\pi x + 5\pi)$

B $f(x) = \sin(\frac{2}{3}\pi x + 5\pi)$

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

2 Which function would have a graph with this amplitude?



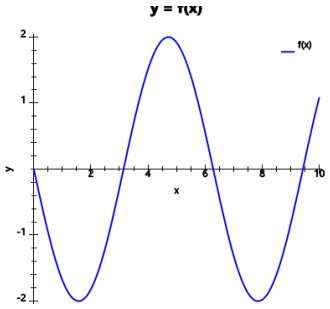
A $f(x) = 5\sin(2x)$

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

C $f(x) = 3\sin(2x)$

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

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



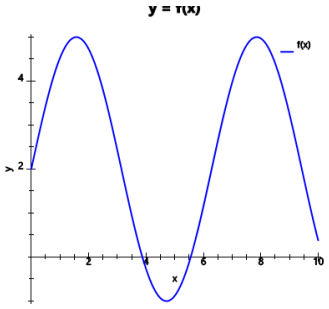
A $f(x) = -2\sin(x - \frac{4}{6}\pi)$

B $f(x) = -2\sin(x + 8\pi)$

C $f(x) = -2\sin(x - \frac{6}{6}\pi)$

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

4 Which function would have a graph with this amplitude?



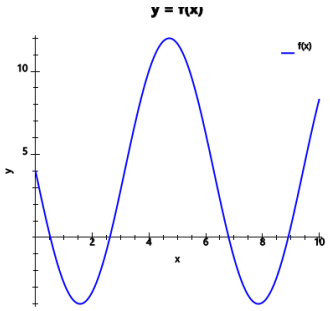
A $f(x) = -3\cos(x) + 2$

B $f(x) = 3\cos(x) + 2$

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

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

5 Which function would have a graph with this amplitude?



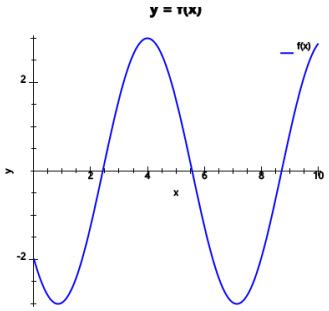
A $f(x) = -8\cos(x) + 4$

B $f(x) = \cos(x) + 4$

C $f(x) = -5\cos(x) + 4$

D $f(x) = -2\cos(x) + 4$

6 Which function would have a graph with this amplitude?



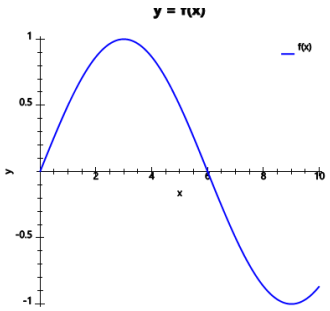
A $f(x) = -3\sin(x + 7)$

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

C $f(x) = 3\sin(x + 7)$

D $f(x) = 2\sin(x + 7)$

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



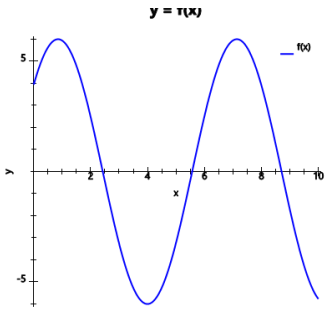
A $f(x) = \sin(\frac{1}{6}\pi x)$

B $f(x) = \sin(\frac{1}{6}\pi x + 2\pi)$

C $f(x) = \sin(\frac{1}{6}\pi x - \frac{8}{6}\pi)$

D $f(x) = \sin(\frac{1}{6}\pi x - \frac{7}{6}\pi)$

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



A $f(x) = 6\cos(x - \frac{6}{6})$

B $f(x) = 6\cos(x - \frac{5}{6})$

C $f(x) = 6\cos(x + 7)$

D $f(x) = 6\cos(x - \frac{8}{6})$