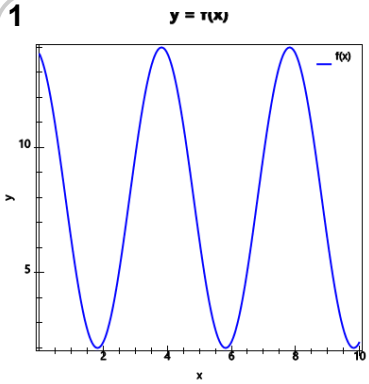
Name

Sinusoidal Function Parameters (4 Params) - Graph to Function

1

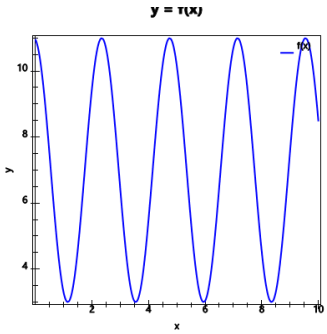


Which function would have a graph with this period?

A $f(x) = -6\sin(\frac{1}{2}\pi x + 5) + 8$

B $f(x) = -6\sin(\frac{3}{2}\pi x + 5) + 8$

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



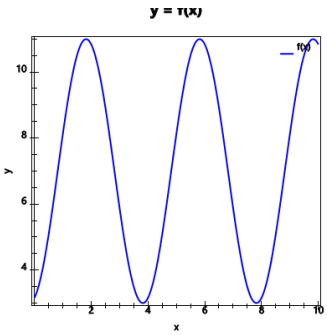
A $f(x) = 4\cos(\frac{5}{6}\pi x + \frac{1}{6}) + 7$

B $f(x) = 4\cos(\frac{5}{6}\pi x + 8) + 7$

C $f(x) = 4\cos(\frac{5}{6}\pi x - \frac{1}{6}) + 7$

D $f(x) = 4\cos(\frac{5}{6}\pi x - \frac{6}{6}) + 7$

3 Which function would have a graph with this amplitude?



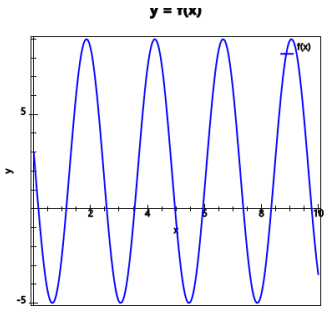
A $f(x) = -5\cos(\frac{1}{2}\pi x + 5) + 7$

B $f(x) = -1\cos(\frac{1}{2}\pi x + 5) + 7$

C $f(x) = 4\cos(\frac{1}{2}\pi x + 5) + 7$

D $f(x) = 0\cos(\frac{1}{2}\pi x + 5) + 7$

4 Which function would have a graph with this period?



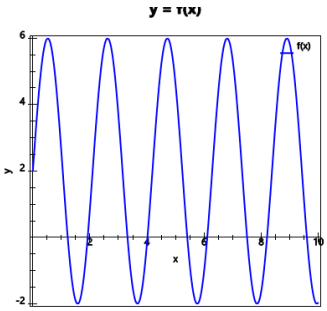
A $f(x) = 7\cos(\frac{7}{6}\pi x + 3) + 2$

B $f(x) = 7\cos(\frac{10}{6}\pi x + 3) + 2$

C $f(x) = 7\cos(\frac{5}{6}\pi x + 3) + 2$

D $f(x) = 7\cos(\frac{9}{6}\pi x + 3) + 2$

5 Which function would have a graph with this amplitude?



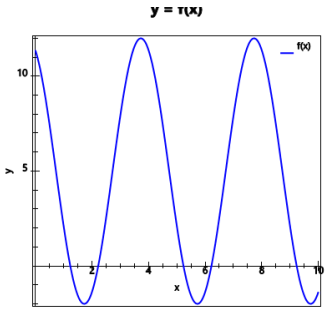
A $f(x) = 4\sin(3x + 6\pi) + 2$

B $f(x) = -4\sin(3x + 6\pi) + 2$

C $f(x) = -5\sin(3x + 6\pi) + 2$

D $f(x) = -1\sin(3x + 6\pi) + 2$

6 Which function would have a graph with this amplitude?



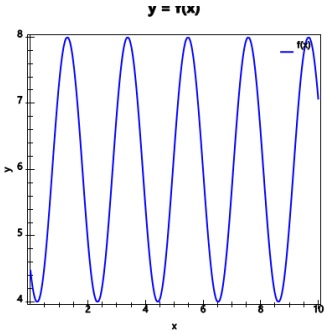
A $f(x) = 7\cos(\frac{1}{2}\pi x + 2) + 5$

B $f(x) = -4\cos(\frac{1}{2}\pi x + 2) + 5$

C $f(x) = 4\cos(\frac{1}{2}\pi x + 2) + 5$

D $f(x) = 0\cos(\frac{1}{2}\pi x + 2) + 5$

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



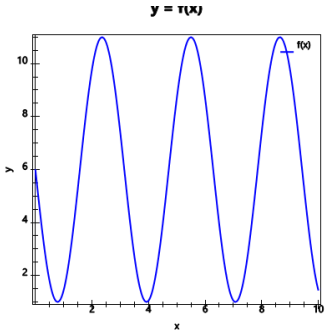
A $f(x) = 2\cos(3x + \frac{4}{6}) + 6$

B $f(x) = 2\cos(3x + \frac{6}{6}) + 6$

C $f(x) = 2\cos(3x + 4) + 6$

D $f(x) = 2\cos(3x - \frac{4}{6}) + 6$

8 Which function would have a graph with this amplitude?



A $f(x) = -3\sin(2x + 7\pi) + 6$

B $f(x) = 0\sin(2x + 7\pi) + 6$

C $f(x) = 5\sin(2x + 7\pi) + 6$

D $f(x) = \sin(2x + 7\pi) + 6$