



Sinusoidal Function Parameters (2 Params) - Parameters to Function

1

Amplitude = 1

Period = $\frac{10}{8}$

Which sinusoidal function has these parameters?

A $f(x) = -1 \cos\left(\frac{8}{5}\pi x\right)$

B $f(x) = -1 \cos(0\pi x) + \frac{8}{5}$

2

Period = $\frac{14\pi}{5}$

Phase Shift = $\frac{4}{5}\pi$ left

Which sinusoidal function has these parameters?

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

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

3

Which sinusoidal function has these parameters?

Period = $\frac{22}{6}$

Phase Shift = $\frac{4}{3}\pi$ left

A $f(x) = 0 \cos\left(\frac{6}{11}\pi x + \frac{4}{3}\pi\right) + 1$

B $f(x) = \cos\left(\frac{6}{11}\pi x + \frac{4}{3}\pi\right)$

4

Phase Shift = $\frac{4}{5}$ left

Vertical Shift = $\frac{6}{11}$

Which sinusoidal function has these parameters?

A $f(x) = \sin\left(x + \frac{4}{5}\right) + \frac{6}{11}$

B $f(x) = \frac{4}{5} \sin(x + 1) + \frac{6}{11}$

5

Which sinusoidal function has these parameters?

Phase Shift = $\frac{3}{5}\pi$ left

Vertical Shift = $\frac{5}{7}$

A $f(x) = \sin\left(x + \frac{3}{5}\pi\right) + \frac{5}{7}$

B $f(x) = \sin\left(x - \frac{3}{5}\pi\right) + \frac{5}{7}$

6

Amplitude = $\frac{4}{11}$

Period = $\frac{10\pi}{6}$

Which sinusoidal function has these parameters?

A $f(x) = -\frac{4}{11} \sin\left(\frac{6}{5}x - 0\right)$

B $f(x) = -\frac{4}{11} \sin\left(\frac{6}{5}x\right)$

7

Which sinusoidal function has these parameters?

Phase Shift = $\frac{7}{3}\pi$ left

Vertical Shift = $\frac{3}{5}$

A $f(x) = \sin\left(x + \frac{3}{5}\pi\right) + \frac{7}{3}$

B $f(x) = \sin\left(x + \frac{7}{3}\pi\right) + \frac{3}{5}$

8

Amplitude = 3

Vertical Shift = $\frac{6}{11}$

Which sinusoidal function has these parameters?

A $f(x) = 3 \cos(x) + \frac{6}{11}$

B $f(x) = 3 \cos\left(\frac{6}{11}x\right) + 1$