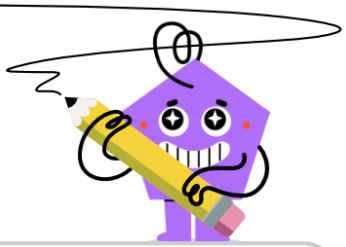
Name

Sinusoidal Function Parameters (3 Params) - Parameters to Function



1

$\text{Amplitude} = \frac{5}{11}$

$\text{Period} = \frac{6\pi}{4}$

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

$\text{Vertical Shift} = \frac{2}{7}$

Which sinusoidal function has these parameters?

A $f(x) = -\frac{5}{11}\cos(\frac{4}{3}x - \frac{7}{3}\pi) + \frac{2}{7}$

B $f(x) = -\frac{5}{11}\cos(\frac{4}{3}x + \frac{7}{3}) + \frac{2}{7}$

C $f(x) = -\frac{5}{11}\cos(\frac{4}{3}x + \frac{7}{3}\pi) + \frac{2}{7}$

D $f(x) = -\frac{5}{11}\cos(\frac{2}{7}x + \frac{7}{3}\pi) + \frac{4}{3}$

2

$\text{Amplitude} = \frac{6}{7}$

$\text{Period} = \frac{14\pi}{3}$

$\text{Phase Shift} = \frac{5}{2}$ left

$\text{Vertical Shift} = \frac{4}{7}$

Which sinusoidal function has these parameters?

A $f(x) = \frac{6}{7}\cos(\frac{3}{7}x + \frac{5}{2}\pi) + \frac{4}{7}$

B $f(x) = \frac{6}{7}\cos(\frac{3}{7}x + \frac{5}{2}) + \frac{4}{7}$

C $f(x) = \frac{4}{7}\cos(\frac{3}{7}x + \frac{5}{2}) + \frac{6}{7}$

D $f(x) = \frac{6}{7}\cos(\frac{4}{7}x + \frac{5}{2}) + \frac{3}{7}$

3

$\text{Amplitude} = \frac{8}{3}$

$\text{Period} = \frac{4\pi}{5}$

$\text{Phase Shift} = \frac{6}{3}\pi$ left

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

Which sinusoidal function has these parameters?

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

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

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

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

4

$\text{Amplitude} = \frac{6}{2}$

$\text{Period} = \frac{4}{5}$

$\text{Phase Shift} = \frac{5}{11}$ left

$\text{Vertical Shift} = \frac{4}{5}$

Which sinusoidal function has these parameters?

A $f(x) = -\frac{6}{2}\sin(\frac{5}{2}\pi x + \frac{5}{11}) + \frac{4}{5}$

B $f(x) = -\frac{6}{2}\sin(\frac{5}{2}\pi x - \frac{5}{11}) + \frac{4}{5}$

C $f(x) = \frac{4}{5}\sin(\frac{5}{2}\pi x - \frac{5}{11}) - \frac{6}{2}$

D $f(x) = \frac{4}{5}\sin(\frac{5}{2}\pi x + \frac{5}{11}) - \frac{6}{2}$

5

$\text{Amplitude} = \frac{7}{5}$

$\text{Period} = \frac{22}{8}$

$\text{Phase Shift} = \frac{7}{2}\pi$ left

$\text{Vertical Shift} = \frac{4}{2}$

Which sinusoidal function has these parameters?

A $f(x) = -\frac{7}{5}\cos(\frac{8}{11}\pi x + \frac{7}{2}\pi) + \frac{4}{2}$

B $f(x) = -\frac{7}{5}\cos(\frac{4}{2}\pi x + \frac{7}{2}\pi) + \frac{8}{11}$

C $f(x) = -\frac{7}{5}\cos(\frac{8}{11}\pi x + \frac{4}{2}\pi) + \frac{7}{2}$

D $f(x) = -\frac{7}{5}\cos(\frac{8}{11}x + \frac{7}{2}\pi) + \frac{4}{2}$

6

$\text{Amplitude} = \frac{3}{7}$

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

$\text{Phase Shift} = \frac{5}{2}\pi$ left

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

Which sinusoidal function has these parameters?

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

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

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

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

7

$\text{Amplitude} = \frac{5}{2}$

$\text{Period} = \frac{14}{6}$

$\text{Phase Shift} = \frac{8}{7}$ left

$\text{Vertical Shift} = \frac{5}{11}$

Which sinusoidal function has these parameters?

A $f(x) = -\frac{5}{2}\sin(\frac{8}{7}\pi x + \frac{6}{7}) + \frac{5}{11}$

B $f(x) = \frac{6}{7}\sin(-\frac{5}{2}\pi x + \frac{8}{7}) + \frac{5}{11}$

C $f(x) = -\frac{5}{2}\sin(\frac{6}{7}\pi x + \frac{8}{7}) + \frac{5}{11}$

D $f(x) = \frac{8}{7}\sin(\frac{6}{7}\pi x - \frac{5}{2}) + \frac{5}{11}$

8

$\text{Amplitude} = \frac{5}{5}$

$\text{Period} = \frac{6}{4}$

$\text{Phase Shift} = \frac{4}{7}\pi$ left

$\text{Vertical Shift} = \frac{6}{2}$

Which sinusoidal function has these parameters?

A $f(x) = -\frac{5}{5}\cos(\frac{4}{3}\pi x + \frac{4}{7}\pi) + \frac{6}{2}$

B $f(x) = -\frac{5}{5}\cos(\frac{4}{3}x + \frac{4}{7}\pi) + \frac{6}{2}$

C $f(x) = \frac{4}{7}\cos(\frac{4}{3}\pi x - \frac{5}{5}\pi) + \frac{6}{2}$

D $f(x) = -\frac{5}{5}\cos(\frac{4}{3}\pi x + \frac{6}{2}\pi) + \frac{4}{7}$