Name

Sinusoidal Function Parameters (2 Params) - Parameters to Function

1

Which sinusoidal function has these parameters?

$\text{Amplitude} = \frac{5}{3}$

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

A $f(x) = \frac{8}{2}\sin(\frac{2}{5}\pi x + \frac{5}{3}\pi) + \frac{4}{5}$

B $f(x) = \frac{4}{5}\sin(\frac{2}{5}\pi x + \frac{8}{2}\pi) + \frac{5}{3}$

C $f(x) = \frac{5}{3}\sin(\frac{8}{2}\pi x + \frac{2}{5}\pi) + \frac{4}{5}$

D $f(x) = \frac{5}{3}\sin(\frac{2}{5}\pi x + \frac{8}{2}\pi) + \frac{4}{5}$

2

Which sinusoidal function has these parameters?

$\text{Period} = \frac{10\pi}{7}$

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

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

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

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

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

3

Which sinusoidal function has these parameters?

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

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

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

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

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

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

4

Which sinusoidal function has these parameters?

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

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

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

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

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

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

5

Which sinusoidal function has these parameters?

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

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

A $f(x) = -\frac{8}{3}\sin(\frac{2}{5}x - \frac{3}{5}\pi) + \frac{4}{5}$

B $f(x) = -\frac{8}{3}\sin(\frac{2}{5}x - \frac{3}{5}) + \frac{4}{5}$

C $f(x) = \frac{4}{5}\sin(\frac{2}{5}x - \frac{3}{5}) - \frac{8}{3}$

D $f(x) = -\frac{8}{3}\sin(\frac{2}{5}x + \frac{3}{5}) + \frac{4}{5}$

6

Which sinusoidal function has these parameters?

$\text{Amplitude} = \frac{3}{11}$

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

A $f(x) = -\frac{3}{11}\sin(\frac{2}{3}\pi x + \frac{8}{5}) + \frac{8}{7}$

B $f(x) = \frac{8}{5}\sin(\frac{2}{3}\pi x - \frac{3}{11}) + \frac{8}{7}$

C $f(x) = -\frac{3}{11}\sin(\frac{8}{7}\pi x - \frac{8}{5}) + \frac{2}{3}$

D $f(x) = -\frac{3}{11}\sin(\frac{2}{3}\pi x - \frac{8}{5}) + \frac{8}{7}$

7

Which sinusoidal function has these parameters?

$\text{Period} = \frac{14}{8}$

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

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

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

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

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

8

Which sinusoidal function has these parameters?

$\text{Period} = \frac{6}{8}$

$\text{Vertical Shift} = \frac{2}{3}$

A $f(x) = -\frac{7}{7}\cos(\frac{8}{3}\pi x + \frac{3}{7}\pi) + \frac{2}{3}$

B $f(x) = -\frac{7}{7}\cos(\frac{8}{3}\pi x + \frac{3}{7}) + \frac{2}{3}$

C $f(x) = -\frac{7}{7}\cos(\frac{2}{3}\pi x + \frac{3}{7}) + \frac{8}{3}$

D $f(x) = -\frac{7}{7}\cos(\frac{8}{3}x + \frac{3}{7}) + \frac{2}{3}$