Name

1

Amplitude $= \dfrac{6}{7}$

Period $= \dfrac{22}{8}$

Vertical Shift $= 4$

Which sinusoidal function has these parameters?

A $\quad f(x) = \dfrac{6}{7}\sin(\dfrac{8}{11}\pi x) + 4$

B $\quad f(x) = \dfrac{6}{7}\sin(\dfrac{8}{11}\pi x + 4)$

2

Amplitude $= \dfrac{2}{11}$

Phase Shift $= \dfrac{5}{7}$ left

Vertical Shift $= \dfrac{2}{3}$

Which sinusoidal function has these parameters?

A $\quad f(x) = \dfrac{2}{11}\cos(x + \dfrac{5}{7}\pi) + \dfrac{2}{3}$

B $\quad f(x) = \dfrac{2}{11}\cos(x + \dfrac{5}{7}) + \dfrac{2}{3}$

3

Amplitude $= 1$

Period $= \dfrac{6}{4}$

Phase Shift $= \dfrac{4}{7}$ left

Which sinusoidal function has these parameters?

A $\quad f(x) = -1\cos(\dfrac{4}{3}x + \dfrac{4}{7})$

B $\quad f(x) = -1\cos(\dfrac{4}{3}\pi x + \dfrac{4}{7})$

4

Period $= \dfrac{10\pi}{2}$

Phase Shift $= \dfrac{3}{2}\pi$ left

Vertical Shift $= \dfrac{3}{11}$

Which sinusoidal function has these parameters?

A $\quad f(x) = \sin(\dfrac{2}{5}x + \dfrac{3}{2}\pi) + \dfrac{3}{11}$

B $\quad f(x) = \dfrac{2}{5}\sin(x + \dfrac{3}{2}\pi) + \dfrac{3}{11}$

5

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

Phase Shift $= \dfrac{7}{5}$ left

Vertical Shift $= \dfrac{7}{11}$

Which sinusoidal function has these parameters?

A $\quad f(x) = \cos(\dfrac{7}{11}\pi x + \dfrac{7}{5}) + \dfrac{6}{11}$

B $\quad f(x) = \cos(\dfrac{6}{11}\pi x + \dfrac{7}{5}) + \dfrac{7}{11}$

6

Amplitude $= 1$

Phase Shift $= \dfrac{7}{2}$ left

Vertical Shift $= \dfrac{4}{5}$

Which sinusoidal function has these parameters?

A $\quad f(x) = -1\cos(\pi x + \dfrac{7}{2}) + \dfrac{4}{5}$

B $\quad f(x) = -1\cos(x + \dfrac{7}{2}) + \dfrac{4}{5}$

7

Amplitude $= \dfrac{8}{11}$

Period $= \dfrac{14}{6}$

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

Which sinusoidal function has these parameters?

A $\quad f(x) = -\dfrac{8}{11}\cos(\dfrac{6}{7}\pi x) + \dfrac{5}{7}$

B $\quad f(x) = 0\cos(\dfrac{6}{7}\pi x - \dfrac{8}{11}\pi) + \dfrac{5}{7}$

8

Amplitude $= 1$

Phase Shift $= \dfrac{4}{7}$ left

Vertical Shift $= \dfrac{6}{5}$

Which sinusoidal function has these parameters?

A $\quad f(x) = -1\sin(x + \dfrac{4}{7}) + \dfrac{6}{5}$

B $\quad f(x) = -1\sin(x + \dfrac{4}{7}\pi) + \dfrac{6}{5}$