Name

Sinusoidal Function Parameters (1 Param) - Parameters to Function

1 Which sinusoidal function has this parameter? Phase Shift $= \frac{4}{3}$ left

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

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

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

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

2 Which sinusoidal function has this parameter? Vertical Shift $= \frac{4}{2}$

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

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

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

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

3 Which sinusoidal function has this parameter? Amplitude $= \frac{6}{7}$

A $f(x) = \frac{6}{7}\sin(\frac{3}{7}x + \frac{7}{11}) + \frac{5}{7}$

B $f(x) = \frac{7}{11}\sin(\frac{3}{7}x + \frac{6}{7}) + \frac{5}{7}$

C $f(x) = \frac{6}{7}\sin(\frac{3}{7}x + \frac{7}{11}\pi) + \frac{5}{7}$

D $f(x) = \frac{6}{7}\sin(\frac{3}{7}x + \frac{5}{7}) + \frac{7}{11}$

4 Which sinusoidal function has this parameter? Vertical Shift $= \frac{8}{3}$

A $f(x) = \frac{6}{5}\sin(-\frac{8}{3}x + \frac{6}{11}) + \frac{8}{3}$

B $f(x) = -\frac{8}{3}\sin(\frac{6}{11}x + \frac{6}{5}) + \frac{8}{3}$

C $f(x) = -\frac{8}{3}\sin(\frac{6}{5}x + \frac{6}{11}) + \frac{8}{3}$

D $f(x) = -\frac{8}{3}\sin(\frac{6}{5}\pi x + \frac{6}{11}) + \frac{8}{3}$

5 Which sinusoidal function has this parameter? Amplitude $= \frac{8}{5}$

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

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

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

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

6 Which sinusoidal function has this parameter? Period $= \frac{4}{8}$

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

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

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

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

7 Which sinusoidal function has this parameter? Period $= \frac{14\pi}{6}$

A $f(x) = \frac{2}{5}\cos(\frac{6}{7}\pi x + \frac{3}{11}\pi) + \frac{3}{5}$

B $f(x) = \frac{2}{5}\cos(\frac{6}{7}x + \frac{3}{11}\pi) + \frac{3}{5}$

C $f(x) = \frac{2}{5}\cos(\frac{6}{7}x + \frac{3}{11}) + \frac{3}{5}$

D $f(x) = \frac{2}{5}\cos(\frac{6}{7}x - \frac{3}{11}\pi) + \frac{3}{5}$

8 Which sinusoidal function has this parameter? Amplitude $= \frac{3}{5}$

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

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

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

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