

Accelerated Pre-Calculus – Unit 2A Quiz 2: Identifying Transformations of Sinusoids

Group Members: _____

PERIOD: _____

1.) $2 \cos\left(2x + \frac{\pi}{4}\right) - 1$

Amplitude: _____

Period: _____

Frequency: _____

Midline: _____

Phase Shift: _____

Vertical Shift: _____

Matching Graph: _____

2.) $-5 \cos\left(3x + \frac{\pi}{2}\right) - 1$

Amplitude: _____

Period: _____

Frequency: _____

Midline: _____

Phase Shift: _____

Vertical Shift: _____

Matching Graph: _____

3.) $\frac{-1}{3} \cos\left(3x + \frac{\pi}{6}\right)$

Amplitude: _____

Period: _____

Frequency: _____

Midline: _____

Phase Shift: _____

Vertical Shift: _____

Matching Graph: _____

4.) $\frac{-1}{2} \cos\left(2x + \frac{\pi}{6}\right) - 4$

Amplitude: _____

Period: _____

Frequency: _____

Midline: _____

Phase Shift: _____

Vertical Shift: _____

Matching Graph: _____

5.) $\frac{-1}{2} \sin\left(x - \frac{\pi}{3}\right) - 2$

Amplitude: _____

Period: _____

Frequency: _____

Midline: _____

Phase Shift: _____

Vertical Shift: _____

Matching Graph: _____

6.) $\frac{1}{3} \sin\left(3x + \frac{\pi}{2}\right) + 1$

Amplitude: _____

Period: _____

Frequency: _____

Midline: _____

Phase Shift: _____

Vertical Shift: _____

Matching Graph: _____

7.) $-2 \sin\left(2x + \frac{\pi}{6}\right) + 2$

Amplitude: _____

Period: _____

Frequency: _____

Midline: _____

Phase Shift: _____

Vertical Shift: _____

Matching Graph: _____

8.) $-3 \sin\left(\frac{1}{2}x + \frac{\pi}{2}\right) + 3$

Amplitude: _____

Period: _____

Frequency: _____

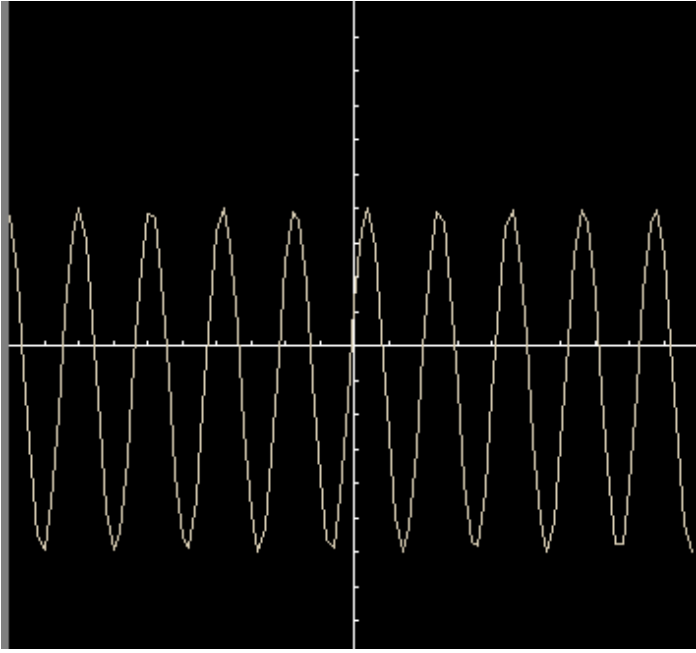
Midline: _____

Phase Shift: _____

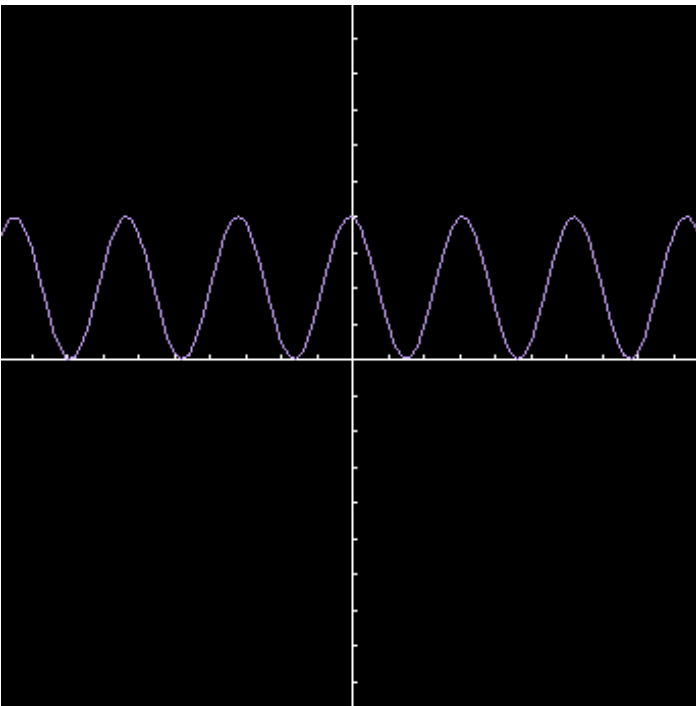
Vertical Shift: _____

Matching Graph: _____

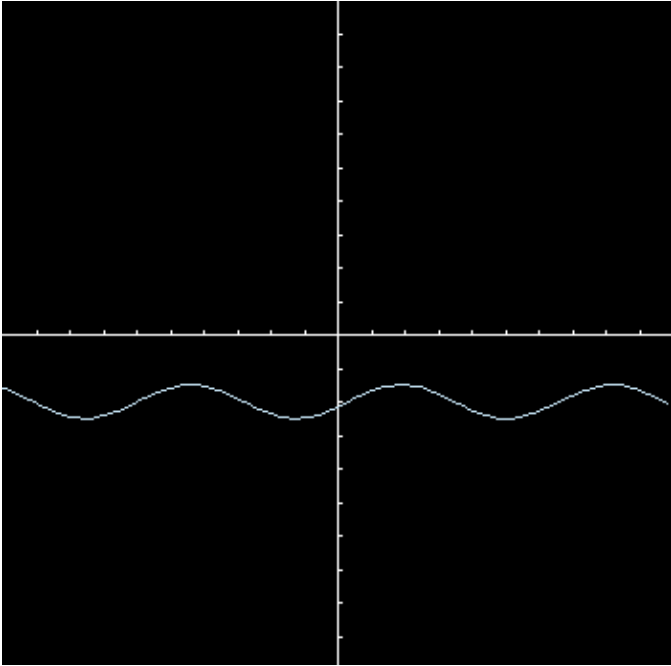
Graph A.



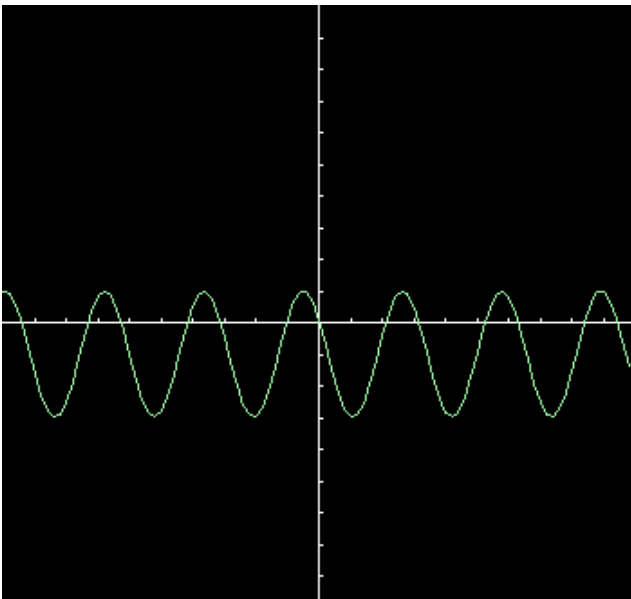
Graph B.



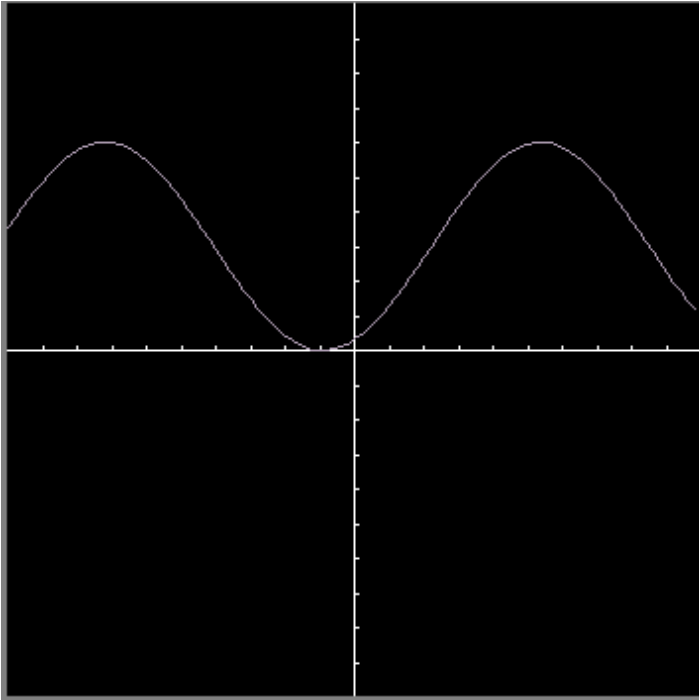
Graph C.



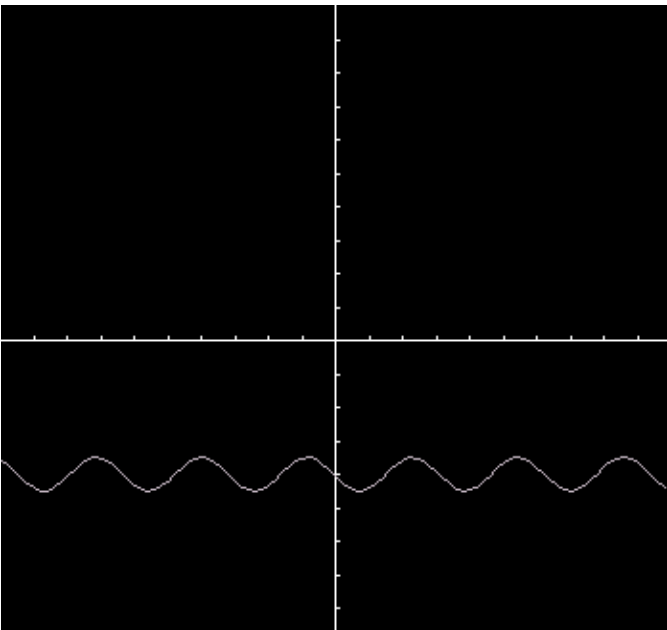
Graph D.



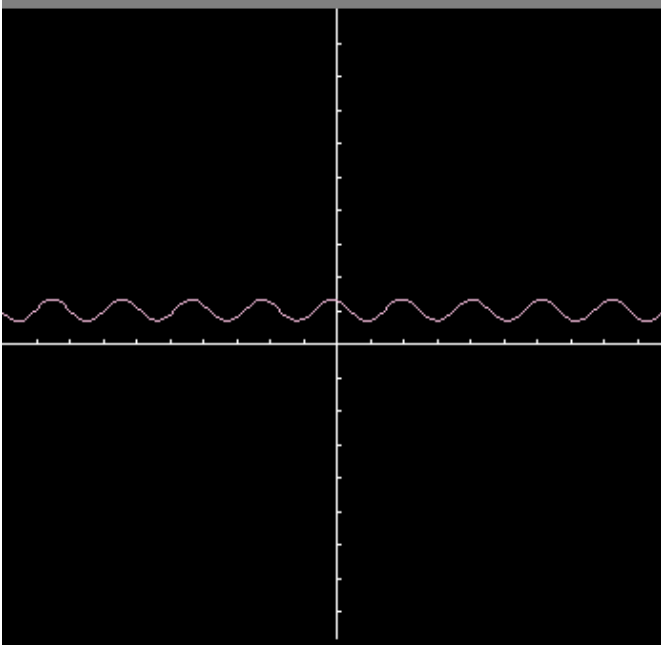
Graph E.



Graph F.



Graph G.



Graph H.

