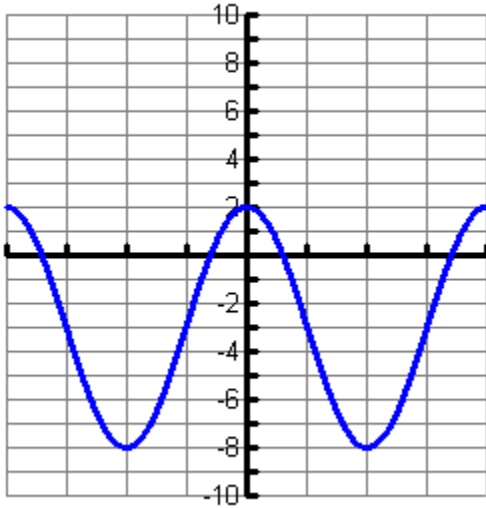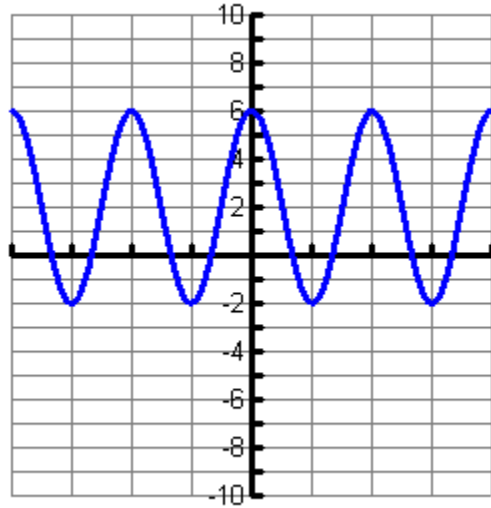5.4– Matching a graph to a Sinusoid – Worksheet #1

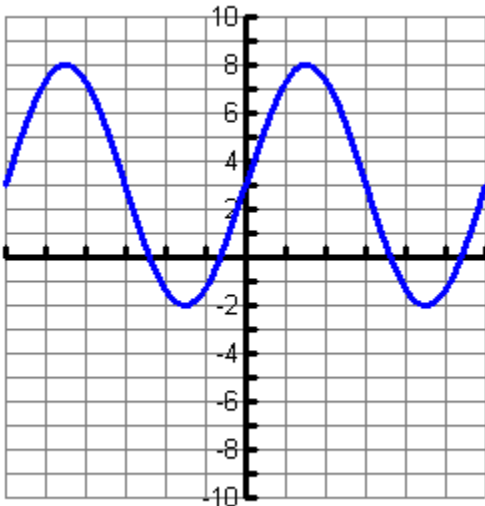1) Scale is $\dfrac{\pi}{2}$:

_____ $y = 5\cos(x) - 3$ _____

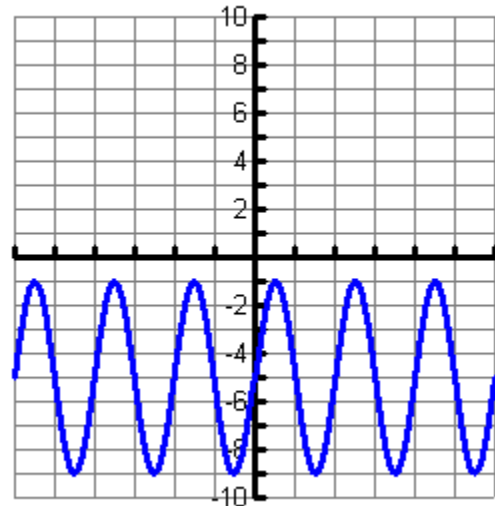2) Scale is $\dfrac{\pi}{2}$:

_____ $y = 4\cos(2x) + 2$ _____
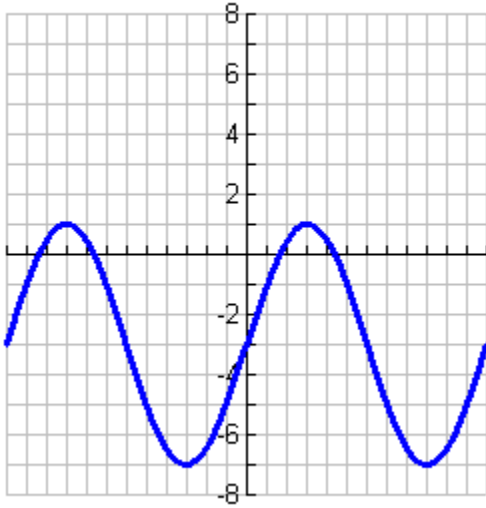
3) Scale is $\dfrac{\pi}{3}$:

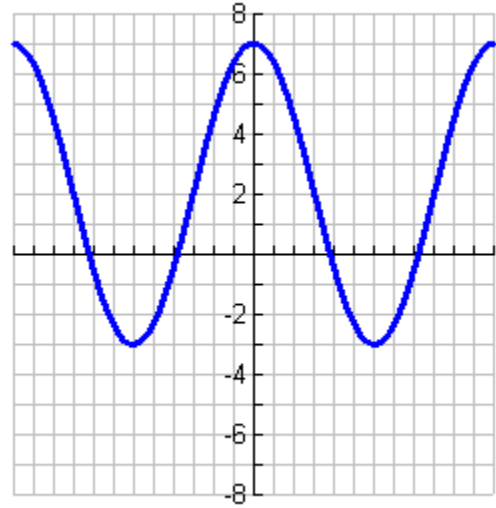_____ $y = 5\sin(x) + 3$ _____

4) Scale is $\dfrac{\pi}{3}$:

_____ $y = 4\sin(3x) - 5$ ___
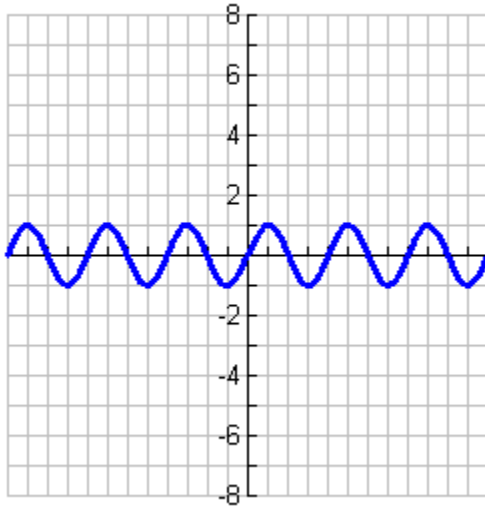
1

5) X-scale is $\dfrac{\pi}{6}$
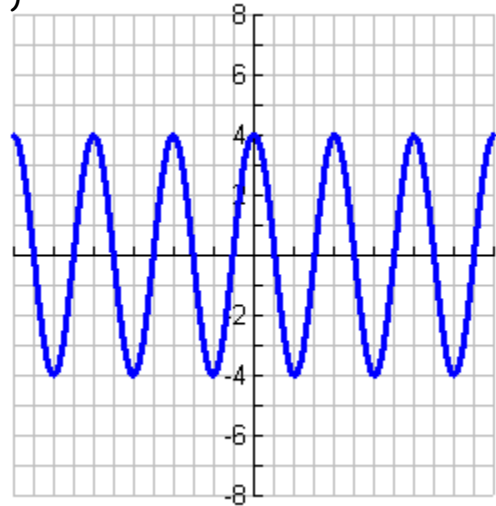

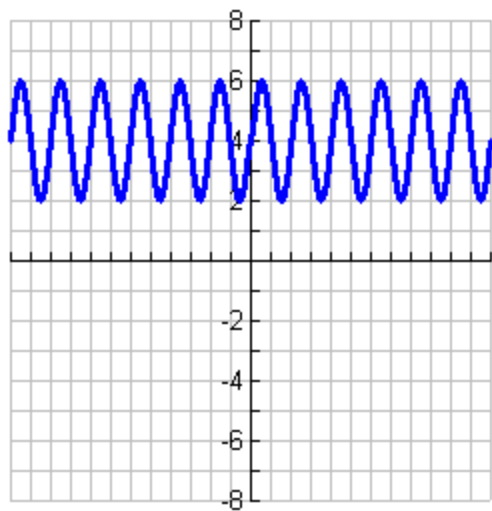_____ $y = 4\sin(x) - 3$_____

_____ $y = 5\cos(x) + 2$_____

6)

_____ $y = \sin(3x)$_____

7)

__ $y = 4\cos(3x)$_____

8)

$$y = 2\sin(6x) + 4$$