

SM3 10.2 odd answers

1. $a = 6, b = 4, c = \frac{\pi}{2}, d = -3$

3. Phase shift: left $\frac{\pi}{2}, b = 1$

Period: 2π , Frequency: $\frac{1}{2\pi}$

5. Phase shift: none, $b = \frac{1}{3}$

Period: 6π , Frequency: $\frac{1}{6\pi}$

7. Phase shift: none, $b = 6$

Period: $\frac{\pi}{3}$, Frequency: $\frac{3}{\pi}$

9. Phase shift: right $4\pi, b = 2$

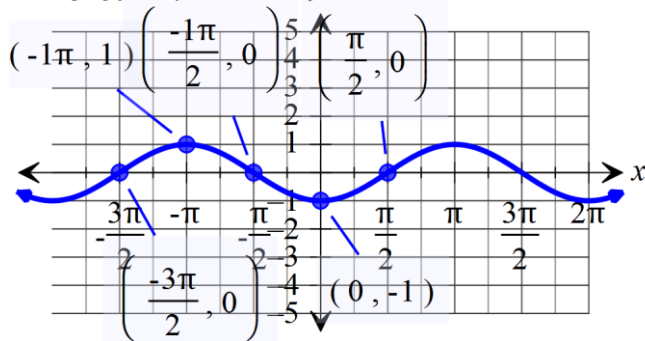
Period: π , Frequency: $\frac{1}{\pi}$

11. Phase shift: none, $b = 1$

Period: 2π , Frequency: $\frac{1}{2\pi}$

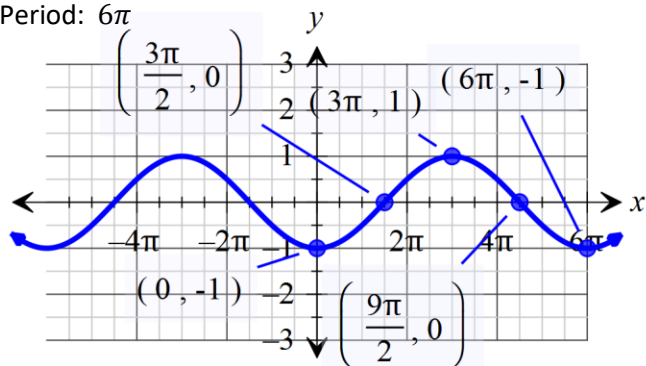
13. Phase shift: left $\frac{3\pi}{2}$

Period: 2π



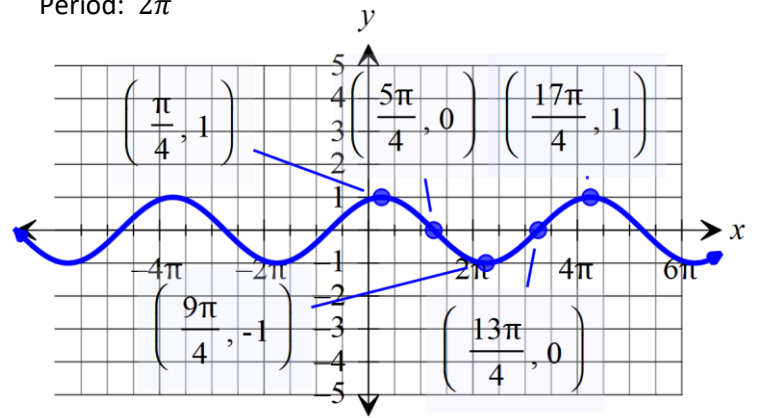
15. Phase shift: none

Period: 6π



17. Phase shift: right $\frac{\pi}{2}$

Period: 2π



19. $f(x) = \sin(2(x - 3))$

21. $f(x) = \sin x$