

SM3 10.3 odd answers

1. Vertical shift: up 1

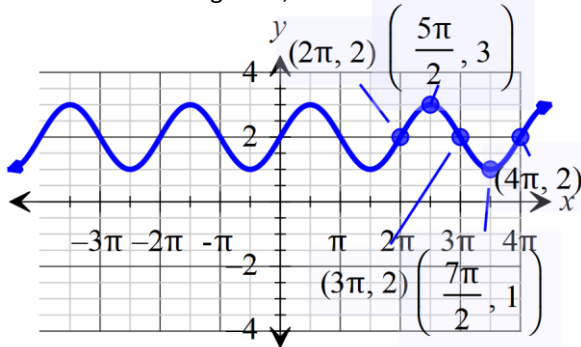
Amplitude: 6

Phase shift: right π

b: 4 Period: $\frac{\pi}{2}$

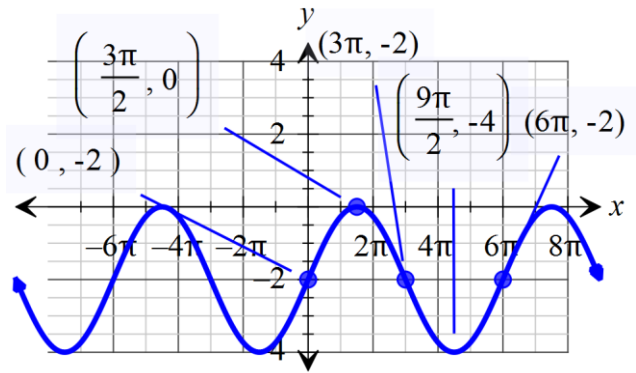
3. Vertical shift: up 2, Amplitude: 1

Phase shift: right 2π , Period: 2π



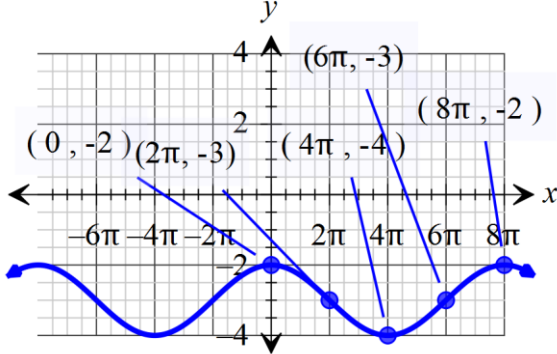
9. Vertical shift: down 2, Amplitude: 2

Phase shift: none or 0, Period: 6π



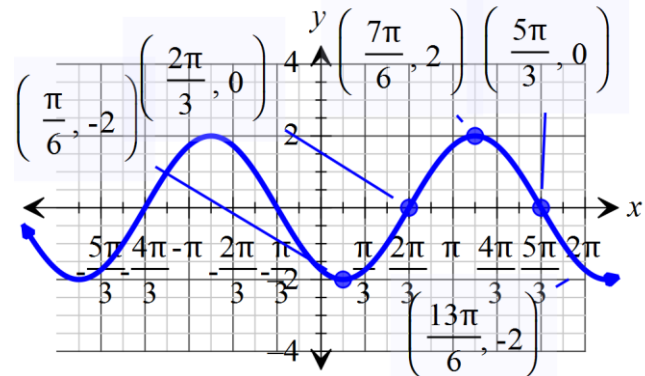
5. Vertical shift: down 3, Amplitude: 1

Phase shift: none or 0, Period: 8π



11. Vertical shift: none or 0, Amplitude: 2, reflect over x-axis

Phase shift: right $\frac{\pi}{6}$, Period: 2π



7. Vertical shift: down 1, Amplitude: 3

Phase shift: left $\frac{\pi}{2}$, Period: π

