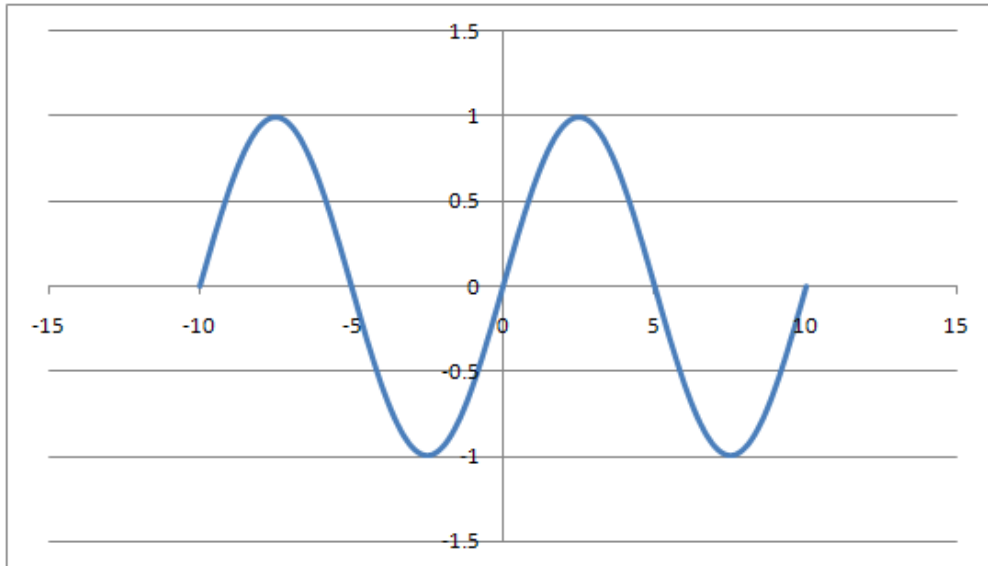


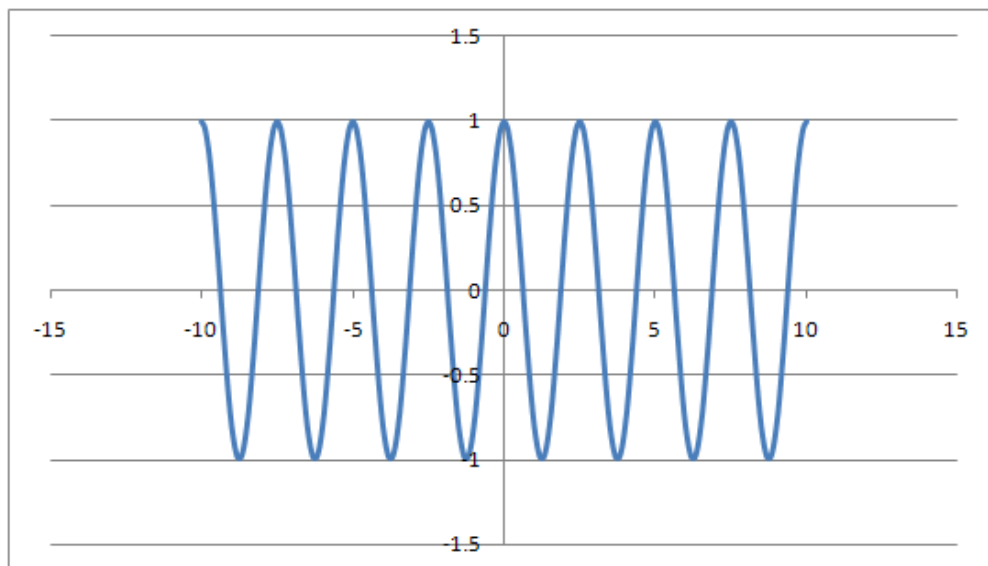
Periodic Function Exercises

1. State the time period of the following periodic functions. State their formula.

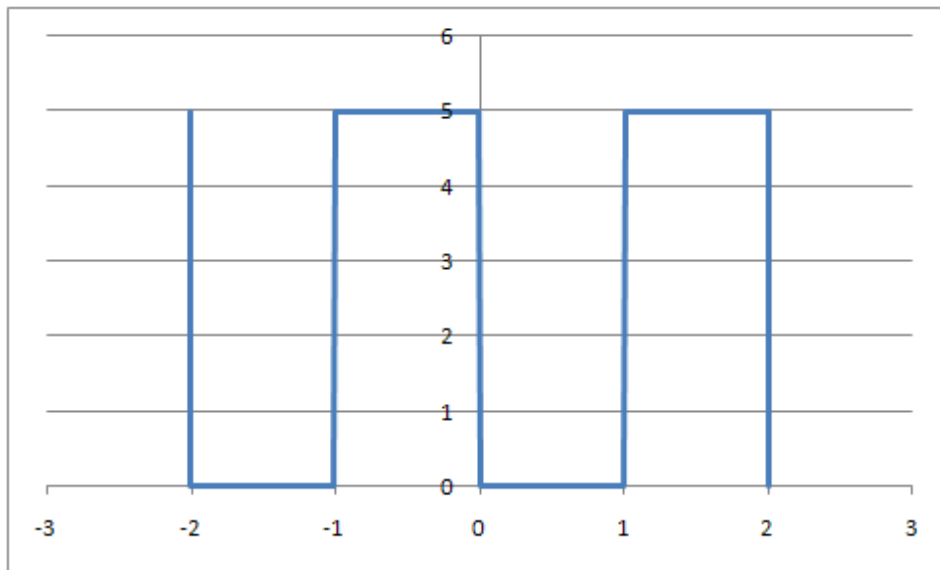
(a)



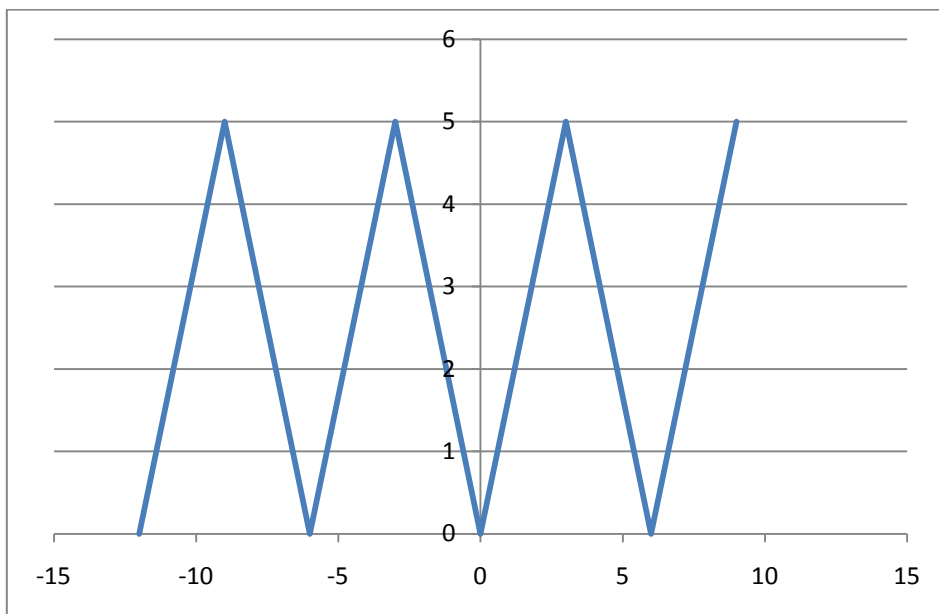
(b)



(c)



(d)



2. Sketch the following periodic functions.

$$(a) f(t) = \begin{cases} 5 & (-3 < x < 0) \\ 0 & (0 < x < 3) \end{cases}$$

$$f(t + 6) = f(t)$$

$$(b) f(t) = \begin{cases} 1 + t & (-2 < x < 0) \\ 1 - t & (0 < x < 2) \end{cases}$$

$$f(t + 4) = f(t)$$