

1. Find the Amplitude, Equation of the Midline, and the Period of the periodic function shown below.

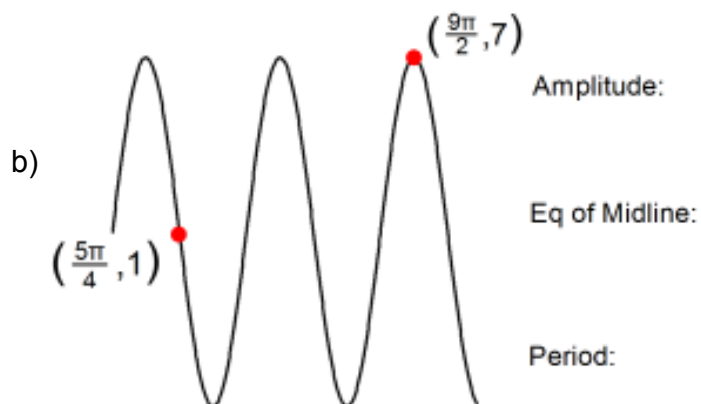
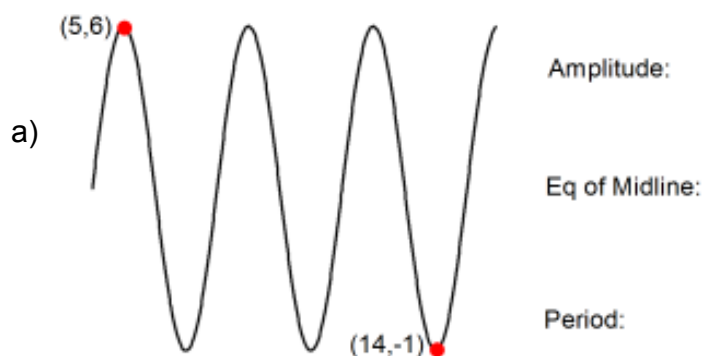


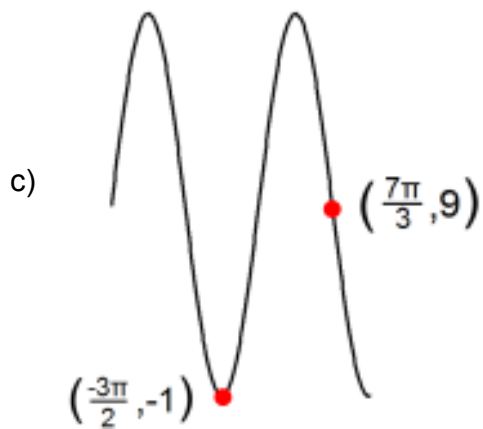
Amplitude:

Eq of Midline:

Period:

2. Find the Amplitude, Equation, and Period for each Sine function. Give Period as a fraction in reduced form and in terms of  $\pi$  where applicable.



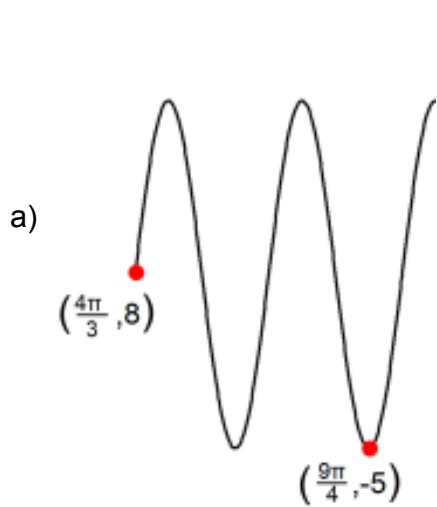


Amplitude:

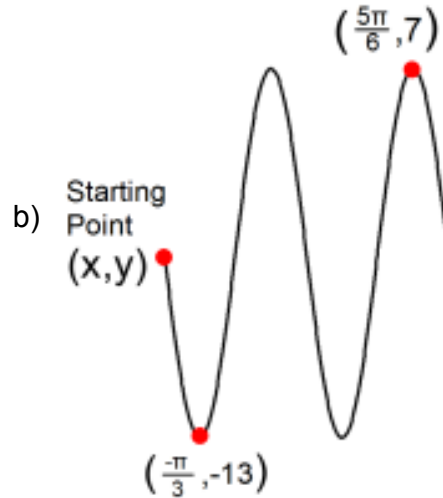
Eq of Midline:

Period:

3. Use the given graph of a Sine function to determine the value of  $a$  in the equation  $y = a \sin x$ .



$a =$



$a =$