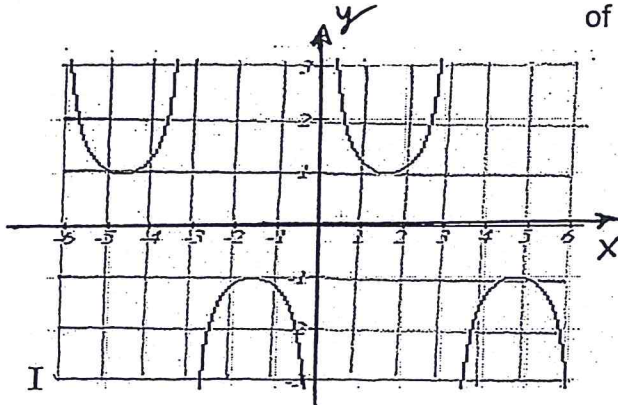
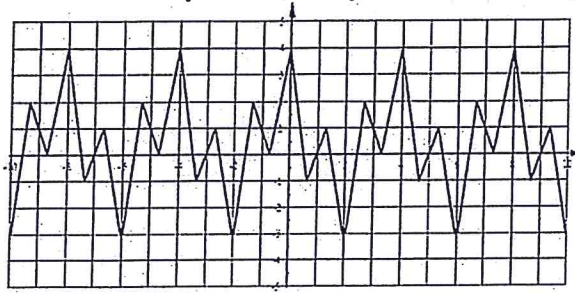


Bellwork Hon Alg 2 Friday, May 5, 2017

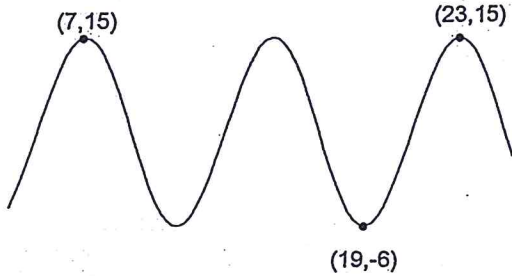
1. Find the period of this function:



2. Find the Amplitude, Period, and Equation of the Midline for this periodic function.



3. Find the amplitude, period, and equation of the midline.

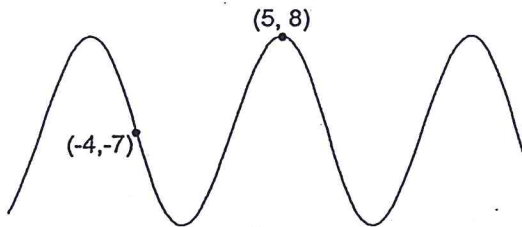


Period =

Amplitude =

Eq of Midline :

4. Find the amplitude, period, and equation of the midline.



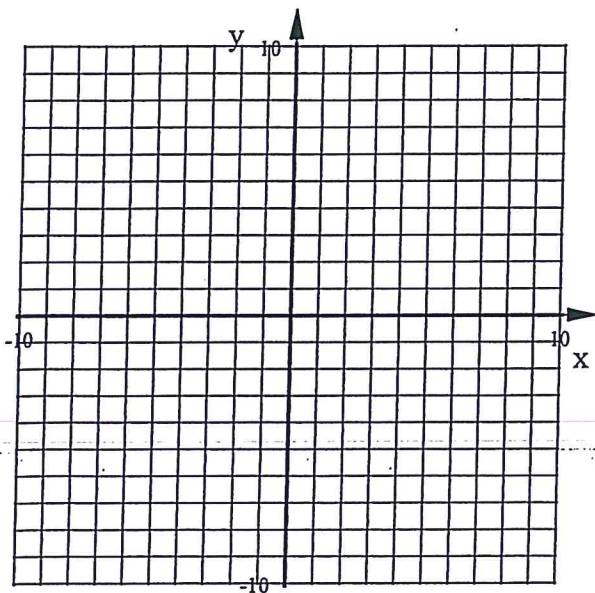
Period =

Amplitude =

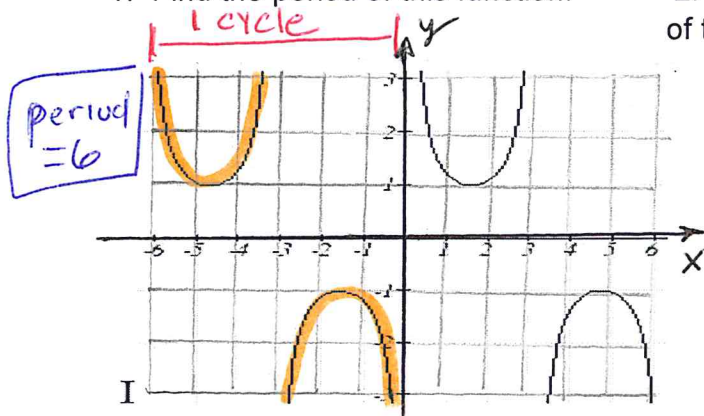
Eq of Midline :

3. Sketch a periodic function with the following characteristics:

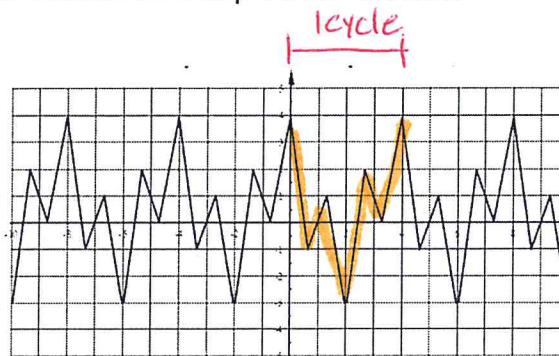
Period = 4 Amplitude = 7 Midline: $y = -2$



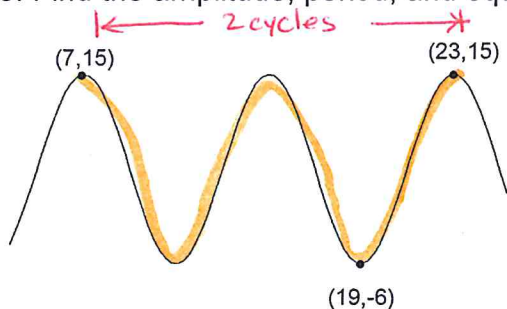
1. Find the period of this function:



2. Find the Amplitude, Period, and Equation of the Midline for this periodic function.



3. Find the amplitude, period, and equation of the midline.

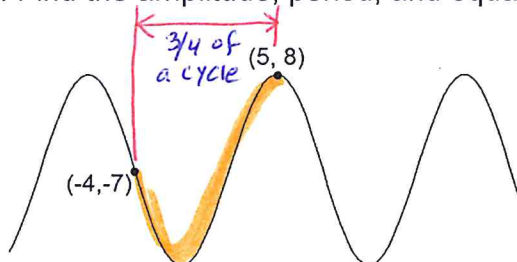


$$\text{Period} = \frac{23 - (-7)}{2} = \frac{30}{2} = 15$$

$$\text{Amplitude} = \frac{15 - (-6)}{2} = \frac{21}{2} = 10.5$$

$$\text{Eq of Midline: } \frac{15 + (-6)}{2} \rightarrow y = \frac{9}{2}$$

4. Find the amplitude, period, and equation of the midline.



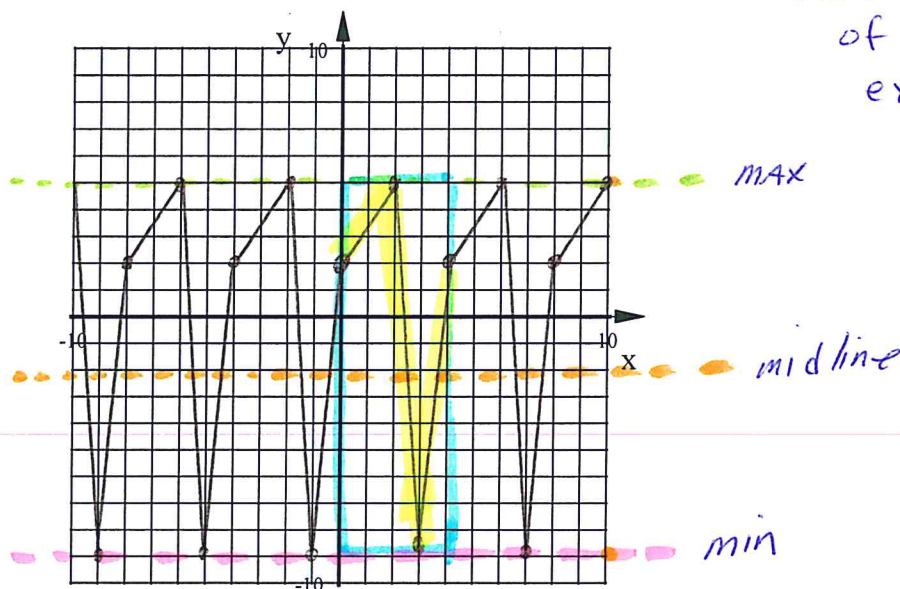
$$\text{Period} = \frac{5 - (-4)}{3/4} = \frac{9}{3/4} = 9 \cdot \frac{4}{3} = 12$$

$$\text{Amplitude} = 8 - (-7) = 15$$

$$\text{Eq of Midline: } y = -7$$

3. Sketch a periodic function with the following characteristics:

Period = 4 Amplitude = 7 Midline: $y = -2$



There are an infinite number of possibilities. An example is given