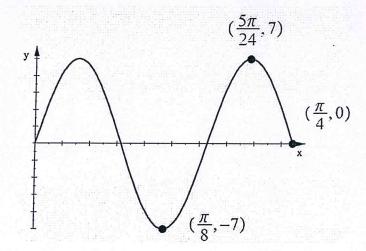
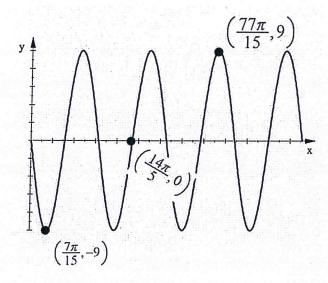
Bellwork Alg 2B Thursday, March 8, 2018

1. Graph one period of this Sine Function. Label the coordinates of all Maximums, Minimums, and x-intercepts.  $y = -3\sin\left(\frac{3x}{5}\right)$ 

2. Write the equation of this Sine Function.



3. Write the equation of this Sine Function.



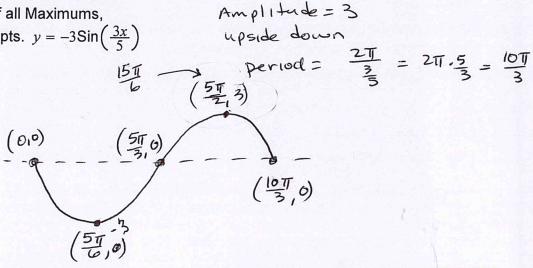
## Alg 2B Bellwork Thursday, March 8, 2018

Answers

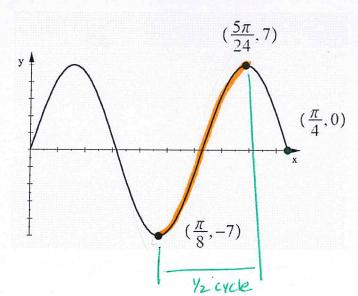
1. Graph one period of this Sine Function. Label the coordinates of all Maximums,

Minimums, and x-intercepts.  $y = -3\sin(\frac{3x}{5})$ 

Amplitude = 3



2. Write the equation of this Sine Function.



Amplitude = 7

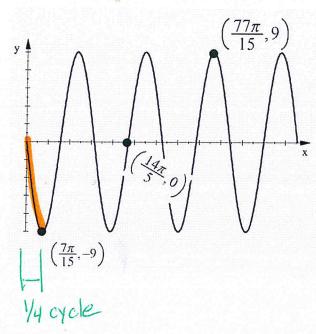
Period: 
$$\frac{5\pi}{24} - \frac{\pi}{8} = (5\pi - 3\pi) 2$$

$$= 2\pi \cdot 2 = \pi$$

$$b = \frac{2\pi}{6} = 2\pi \cdot \frac{6}{\pi} = 12$$

$$y = 7 \sin 12x$$

Write the equation of this Sine Function.



Amplitude = 9 
$$a = -9$$

period:  $\frac{77}{15} = \frac{77}{15}, Y = \frac{287}{15}$ 
 $b = \frac{27}{287} = 277.15$ 
 $b = \frac{15}{14}$ 

$$y = -9 \sin \frac{15x}{14}$$