Bellwork Friday, April 4, 2014

1. State the period and amplitude of each.

a) $y = 13\sin 9x$

Period =

Amplitude =

b) $y = -2\sin\left(\frac{x}{8}\right)$

Period =

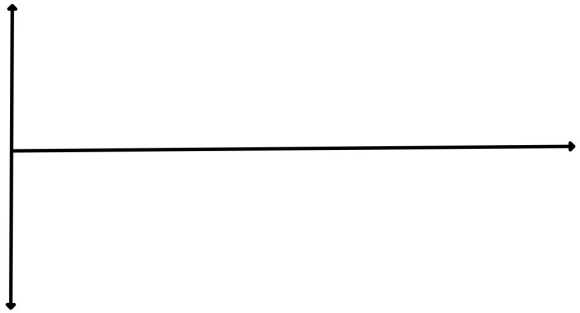
Amplitude =

c) $y = \frac{1}{2}\sin\left(\frac{4x}{5}\right)$

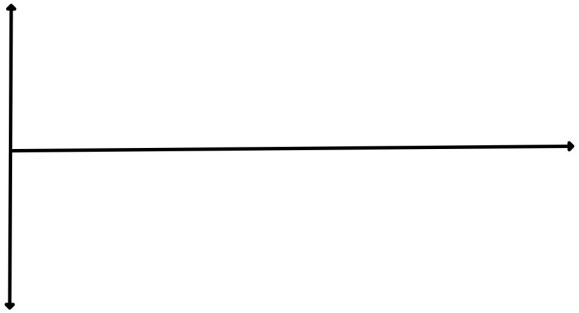
Period =

Amplitude =

2. Sketch one period of the graph of $y = -9\sin(5x)$ Label the coordinates of all x-intercepts, minimums, and maximums.



3. Sketch one period of the graph of $y = 10\sin\frac{x}{3}$ Label the coordinates of all x-intercepts, minimums, and maximums.



3. Write the equation of this sine function.