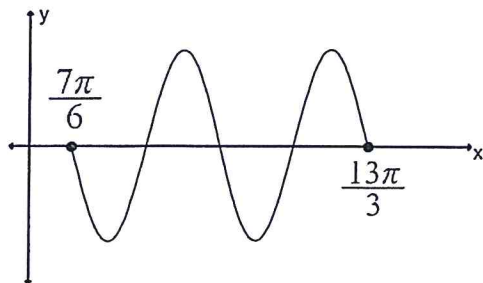


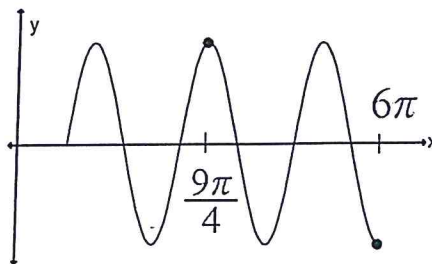
# Algebra 2 Bellwork Wednesday, May 11, 2016

Find the period of each. Leave answer in terms of  $\pi$ . Simplify fractions.

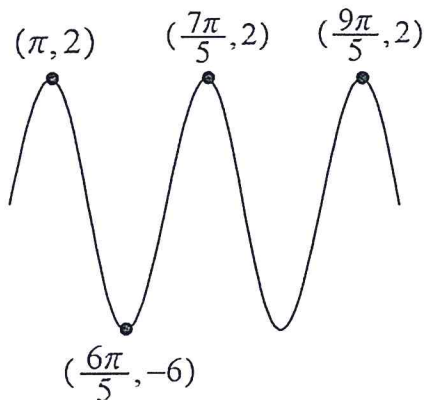
1.



2.



3. Find the Period, Amplitude, and Equation of the Midline. Give period in terms of  $\pi$ . Simplify fractions.



Period =

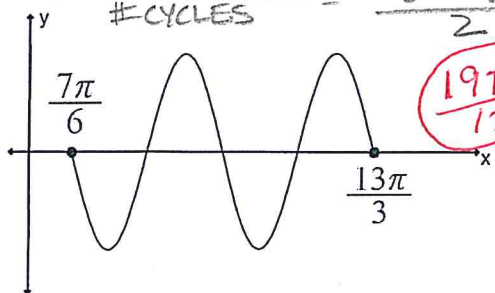
Amplitude =

Eq of Midline:

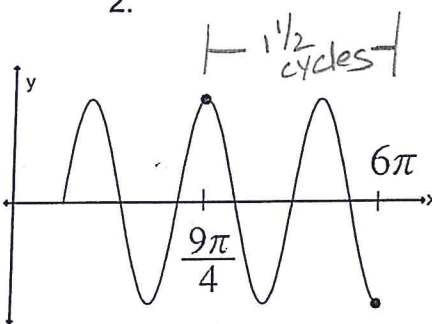
# Algebra 2 Bellwork Wednesday, May 11, 2016

Find the period of each. Leave answer in terms of  $\pi$ . Simplify fractions.

1.  $\frac{\text{TOTAL DISTANCE}}{\# \text{ CYCLES}} = \frac{13\pi/3 - 7\pi/6}{2} = \frac{19\pi}{12}$

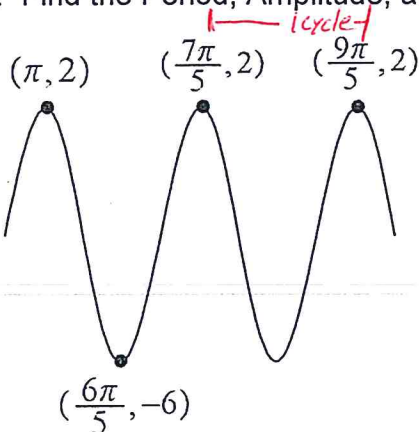


2.



$\frac{6\pi - 9\pi/4}{3/2} = \frac{15\pi}{4} \cdot \frac{2}{3} = \frac{5\pi}{2}$

3. Find the Period, Amplitude, and Equation of the Midline. Give period in terms of  $\pi$ . Simplify fractions.



Period =

$\frac{9\pi}{5} - \frac{7\pi}{5} = \frac{2\pi}{5}$

Amplitude =

$\frac{\text{max} - \text{min}}{2} = \frac{2 - (-6)}{2} = \frac{8}{2} = 4$

Eq of Midline:

$\frac{\text{max} + \text{min}}{2} = \frac{2 + (-6)}{2} = \frac{-4}{2} = -2$

$y = -2$

Answers