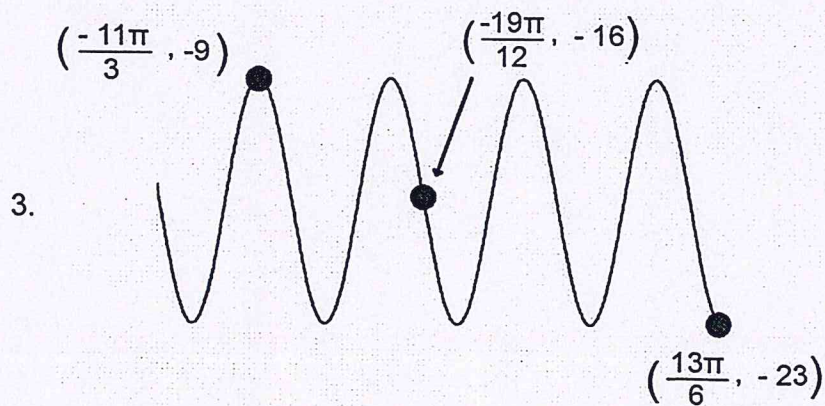
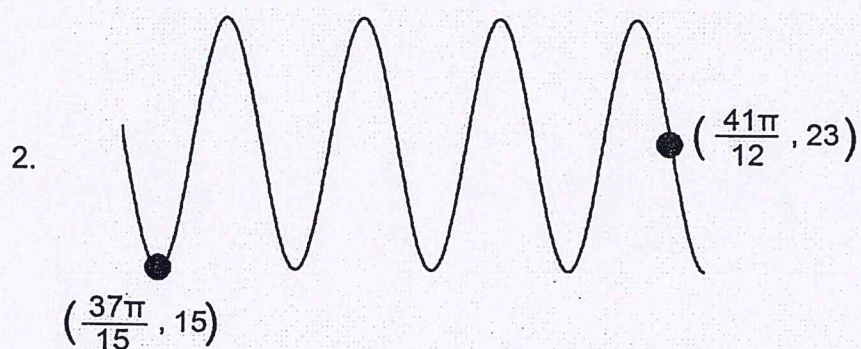
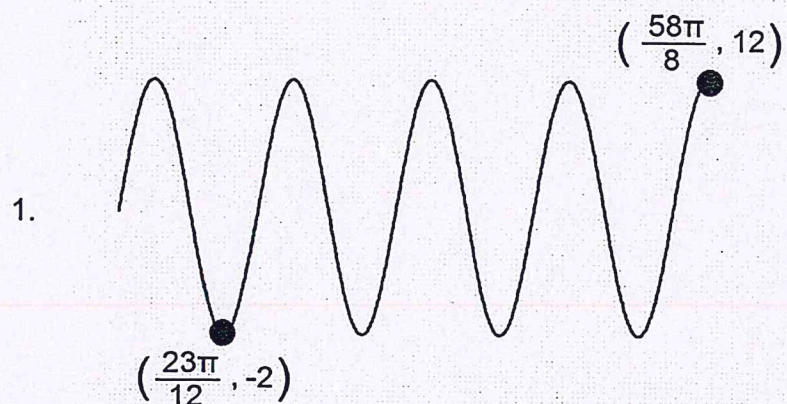


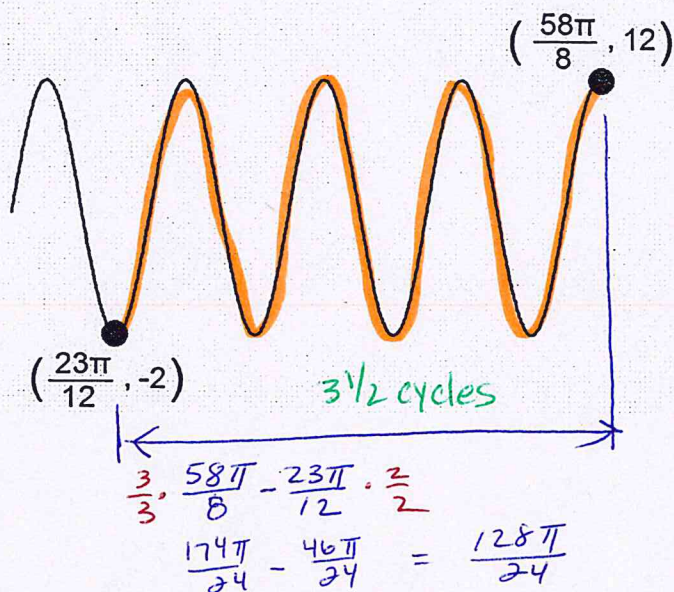
Bellwork Alg 2 Tuesday, April 16, 2019

Find the Period (as a simplified fraction in terms of π), Amplitude, and Equation of the Midline for each Sin graph.



Find the Period (as a simplified fraction in terms of π), Amplitude, and Equation of the Midline for each Sin graph.

1.



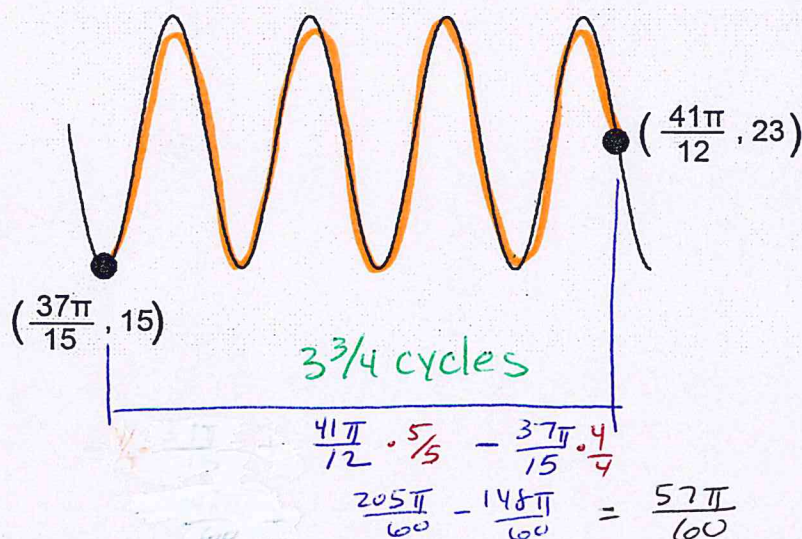
Amplitude: $\frac{12 - (-2)}{2} = \frac{14}{2} = 7$

MIDLINE: $y = \frac{12 + (-2)}{2} = 5$

Period:

$\frac{\frac{128\pi}{24}}{\frac{7}{2}} = \frac{128\pi}{24} \cdot \frac{2}{7}$
 $= \frac{32\pi}{21}$

2.



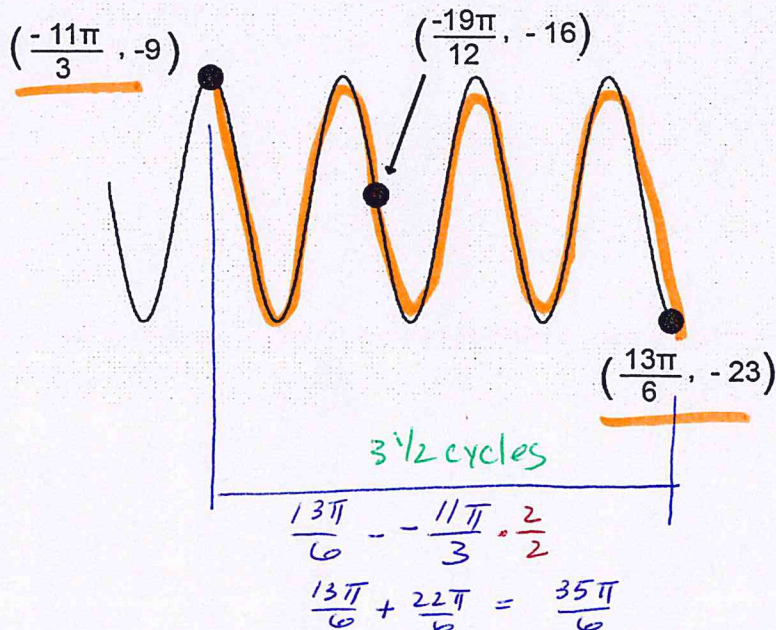
Amplitude: $23 - 15 = 8$

MIDLINE: $y = 23$

Period: $\frac{57\pi}{60}$
 $15/4$

$= \frac{57\pi}{60} \cdot \frac{4}{15} = \frac{19\pi}{75}$

3.



Amplitude: $-9 - (-16) = 7$

MIDLINE: $y = -16$

Period: $\frac{35\pi}{6}$
 $7/2$

$= \frac{35\pi}{6} \cdot \frac{2}{7}$

$= \frac{5\pi}{3}$