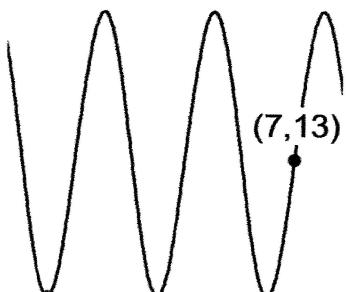


Practice #17 Alg 2 Sec 7-4 Periodic Functions Friday, April 17, 2020

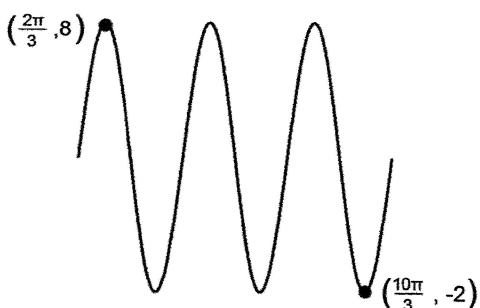
Find the period, amplitude, and equation of the midline for each periodic function. Give period in terms of π and in reduced fractional form.



1. Amplitude =

Eq of Midline:

Period =

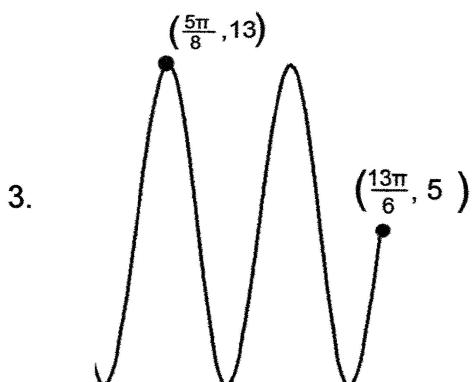


2.

Amplitude =

Eq of Midline:

Period =



3. Amplitude =

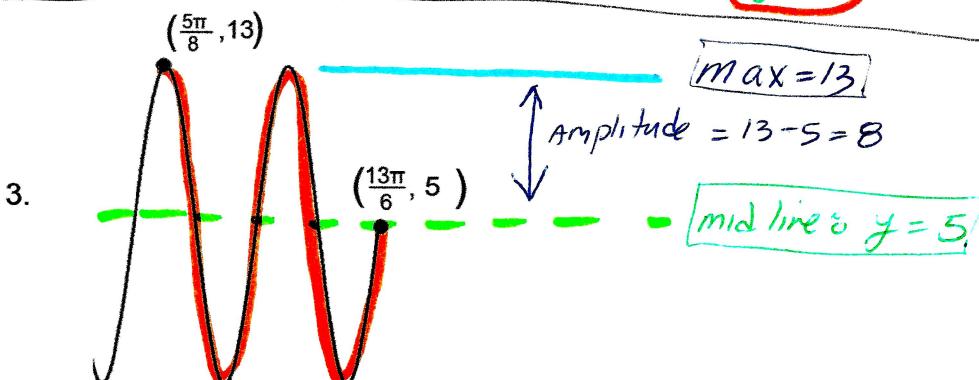
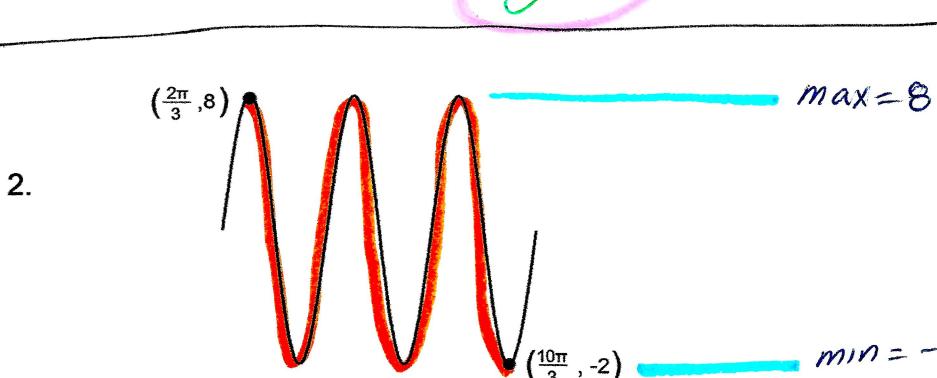
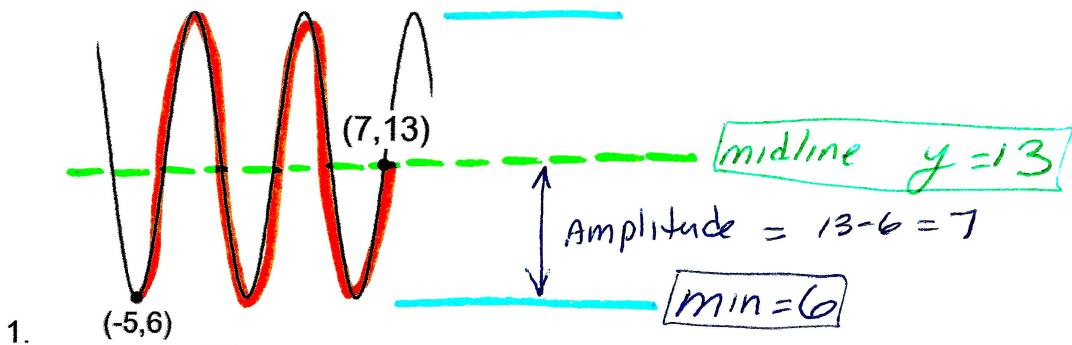
Eq of Midline:

Period =

ANSWERS

Practice #17 Alg 2 Sec 7-4 Periodic Functions Friday, April 17, 2020

Find the period, amplitude, and equation of the midline for each periodic function. Give period in terms of π and in reduced fractional form.



$$\begin{aligned}
 &= \frac{\frac{52}{21}\pi - \frac{15}{24}\pi}{\frac{5}{4}} = \frac{\frac{168\pi - 105\pi}{168}}{\frac{5}{4}} = \frac{\frac{63\pi}{168}}{\frac{5}{4}} = \frac{63\pi}{420} = \frac{21\pi}{140} = \frac{7\pi}{40} \\
 &= \frac{37\pi}{24} \cdot \frac{4}{7} = \frac{148\pi}{168} = \frac{37\pi}{42}
 \end{aligned}$$