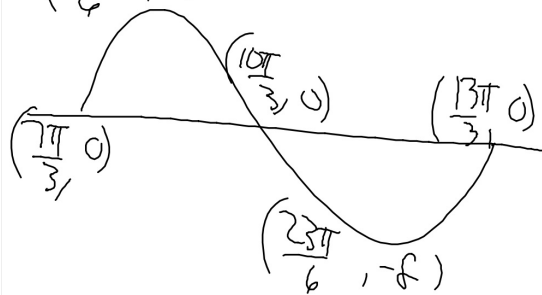


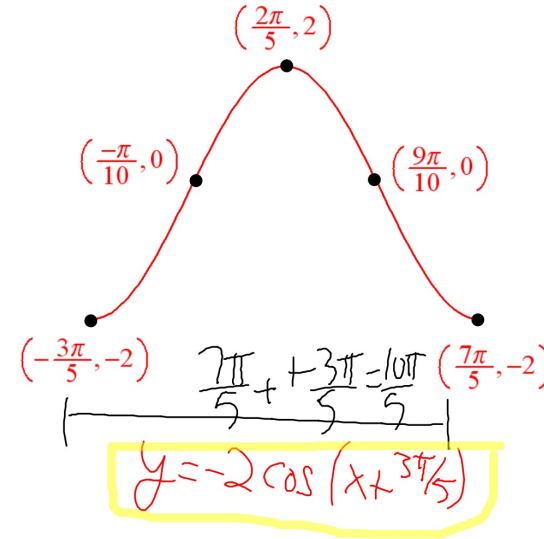
1. Graph one period of the following function. Label the coordinates of all max, min, and zeros

$$y = 8 \sin\left(x - \frac{7\pi}{3}\right)$$



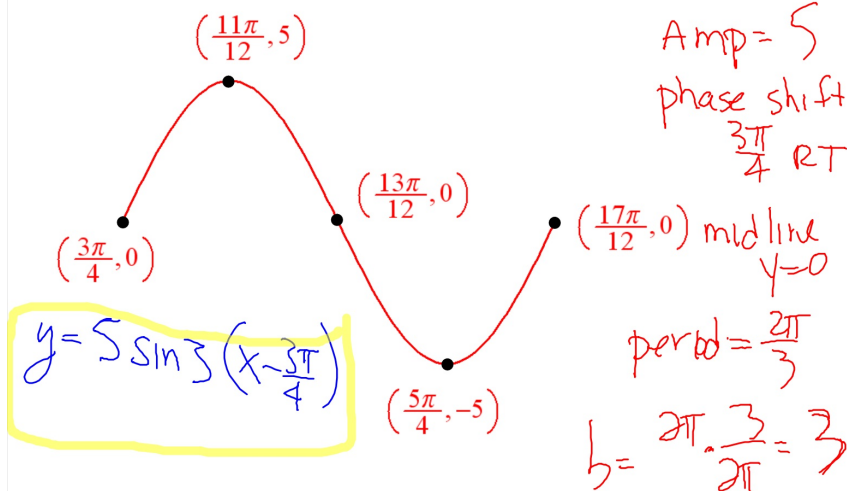
period = 2π
 Amp = 8
 midline $y=0$
 phase shift
 $\frac{7\pi}{3}$ RT

2. Write the equation of this cosine function.



amp = 2
 period = 2π
 midline $y=0$
 phase shift
 $\frac{3\pi}{5}$ left
 $b = \frac{2\pi}{2\pi} = 1$

3. Write the equation of this Sine function.



Amp = 5
 phase shift
 $\frac{3\pi}{4}$ RT

midline
 $y=0$

period = $\frac{2\pi}{3}$

$b = \frac{2\pi \cdot 3}{2\pi} = 3$