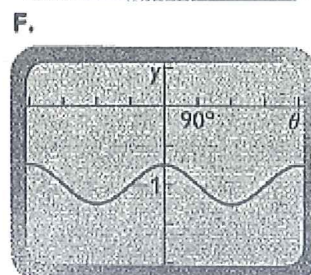
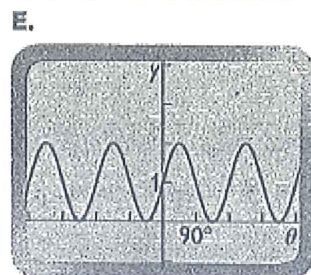
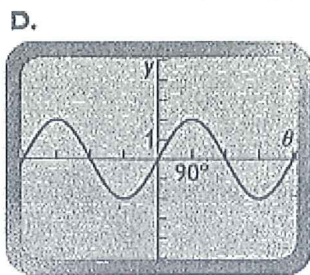
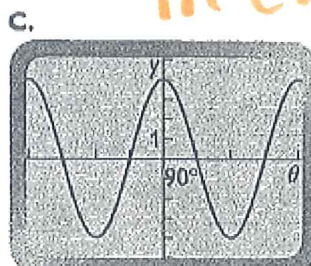
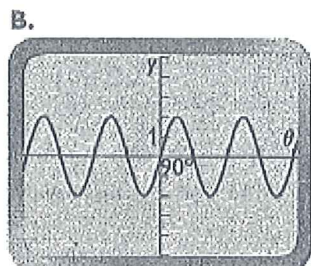
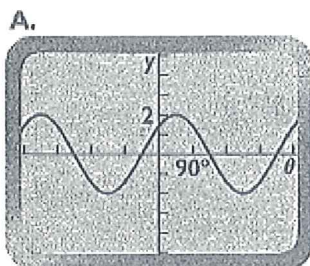


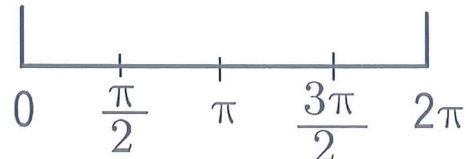
1. Determine the period of each function, then state the b value.

Answers in class for #1

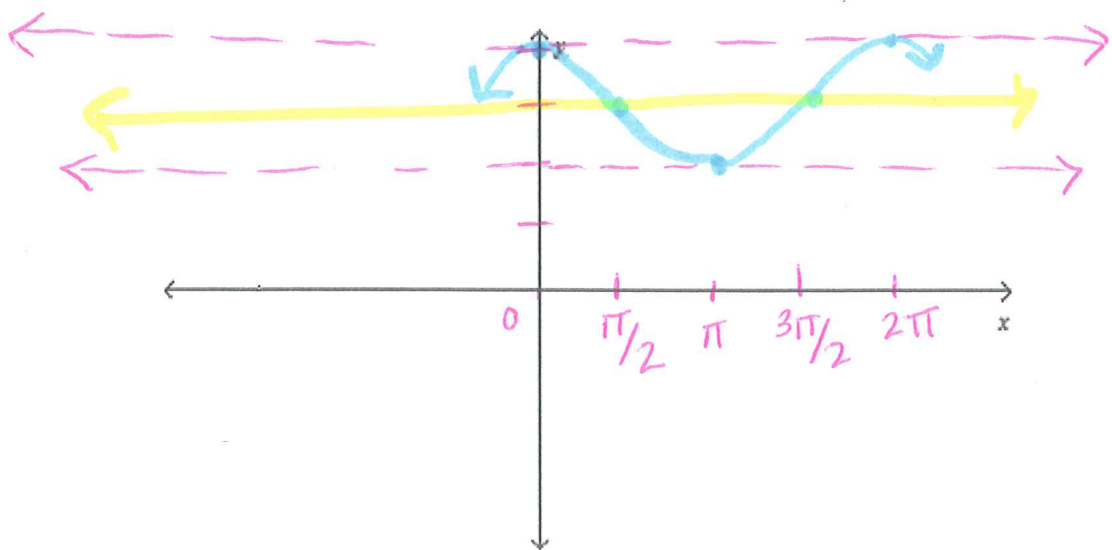


Sketch a graph of the following. State the amplitude, period, vertical shift and phase shift. Fill in your scale in radians.

2. $y = \cos\theta + 3$

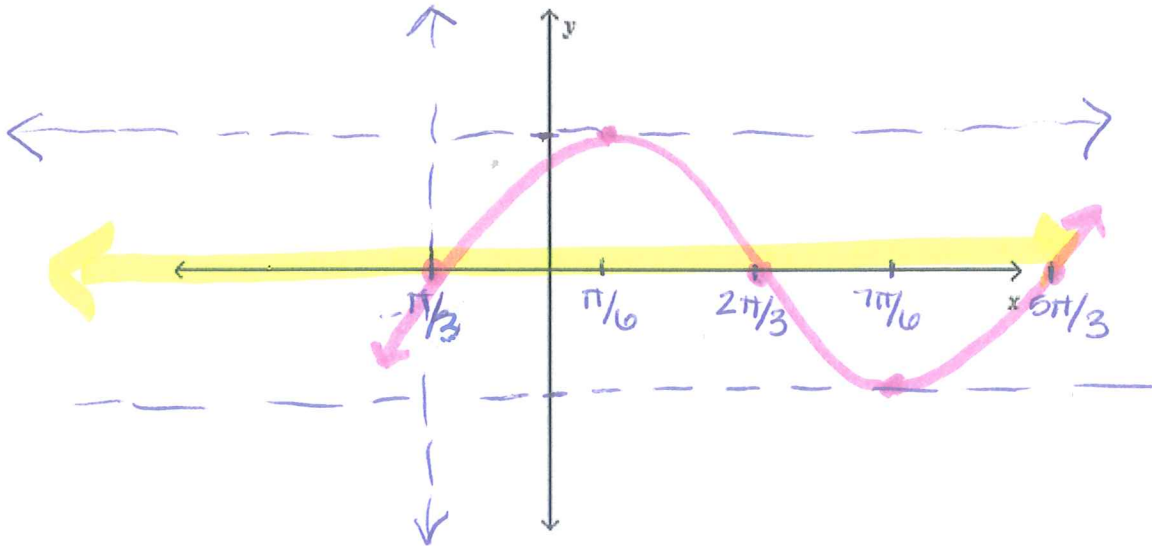
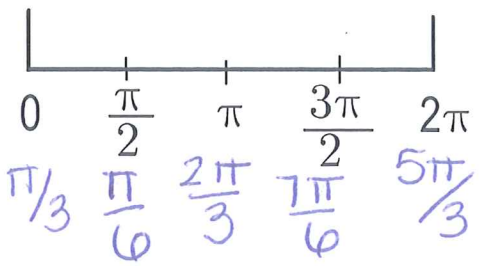


Amp: 1 Per: 2π V.S: up 3 P.S. None



3. $y = \sin(\theta + \frac{\pi}{3})$

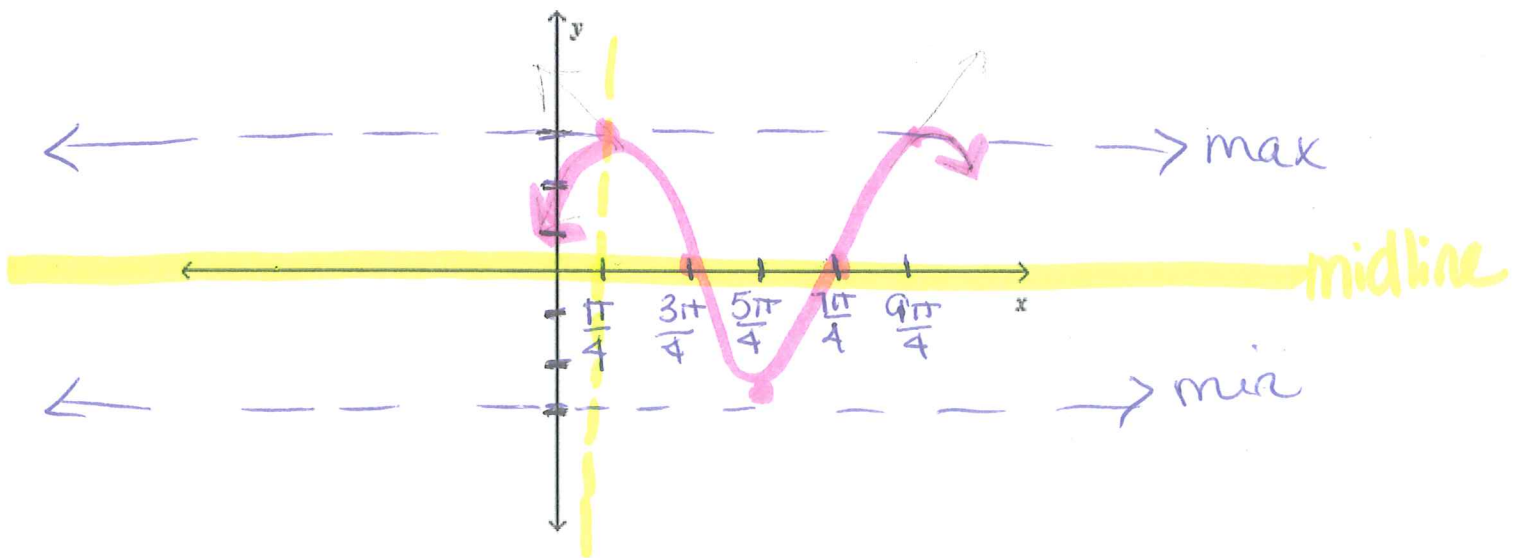
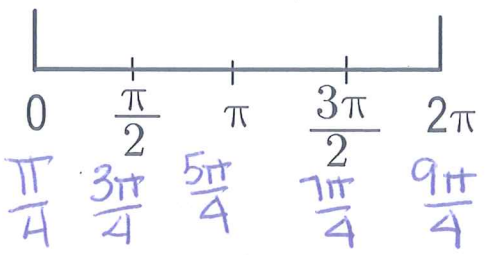
Amp: 1 Per: 2π V.S: none P.S: left $\frac{\pi}{3}$



4. $y = 3\cos(\theta - \frac{\pi}{4})$



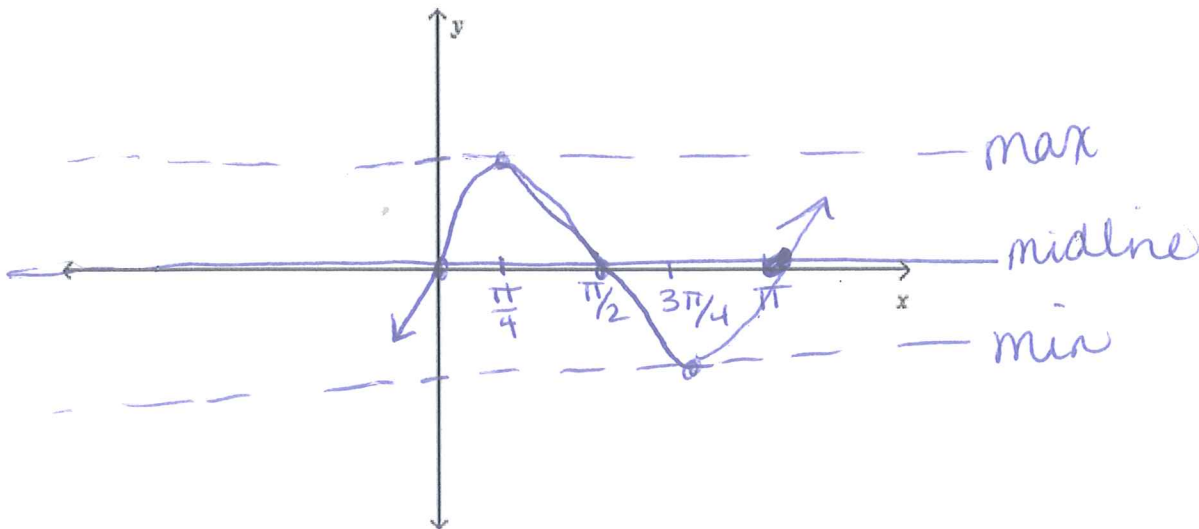
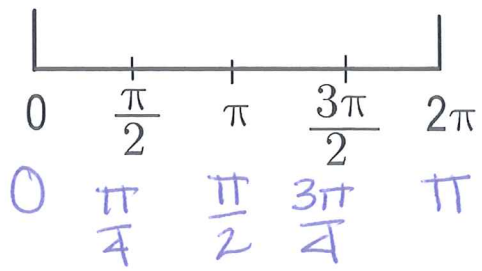
Amp: 3 Per: 2π V.S: none P.S: Right $\frac{\pi}{4}$



5. $y = \sin 2\theta$

$\frac{2\pi}{2}$

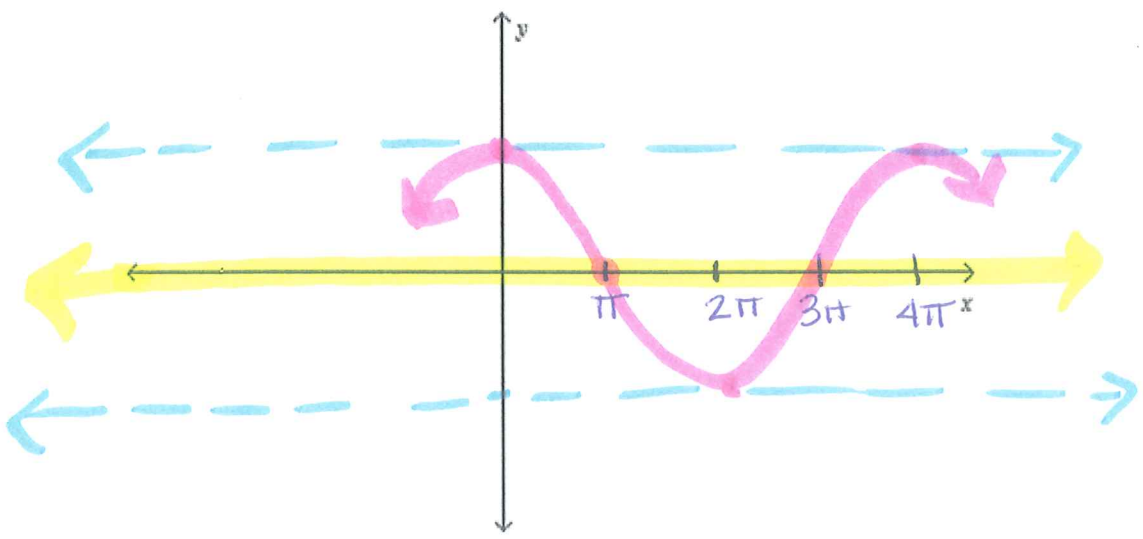
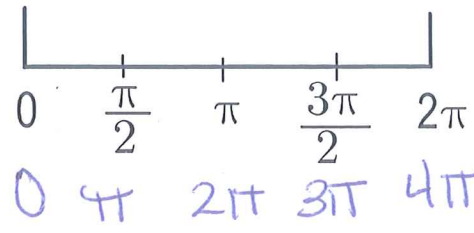
Amp: 1 Per: π V.S: none P.S: none



6. $y = \cos 0.5\theta$

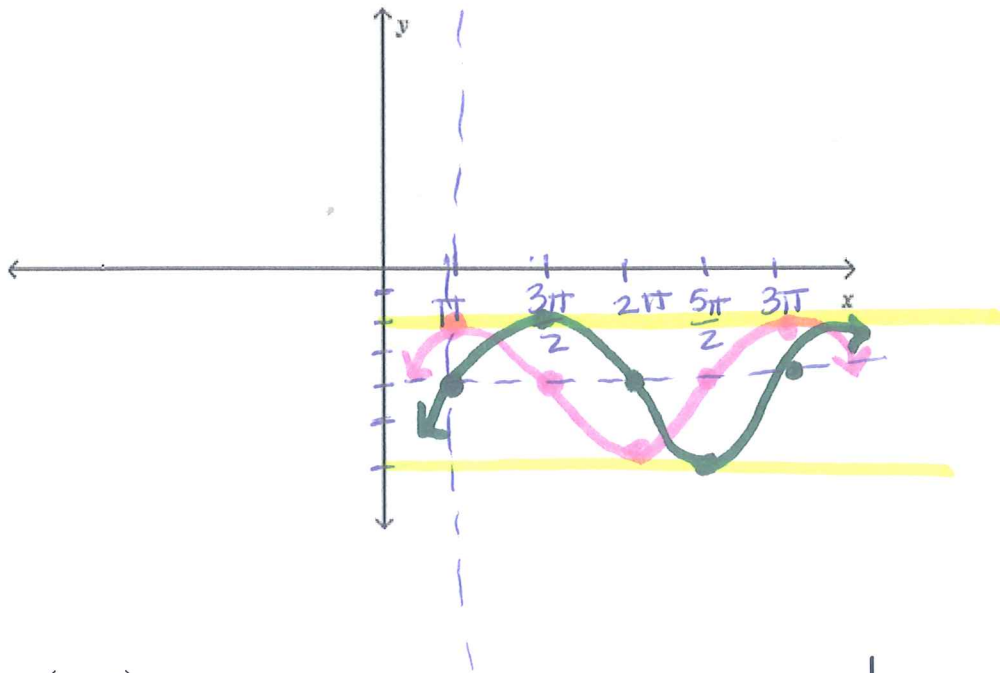
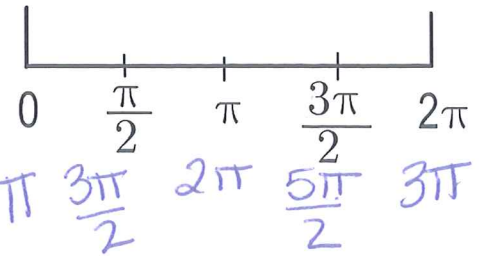
$\frac{2\pi}{0.5}$

Amp: 1 Per: 4π V.S: none P.S: none



7. $y = 2\sin(\theta - \pi) - 4$

Amp: 2 Per: 2π V.S: down 4 P.S: Right π



8. $y = 3\cos(\theta - \frac{\pi}{6}) + 2$

Amp: 3 Per: 2π V.S: up 2 P.S: Right $\frac{\pi}{6}$

