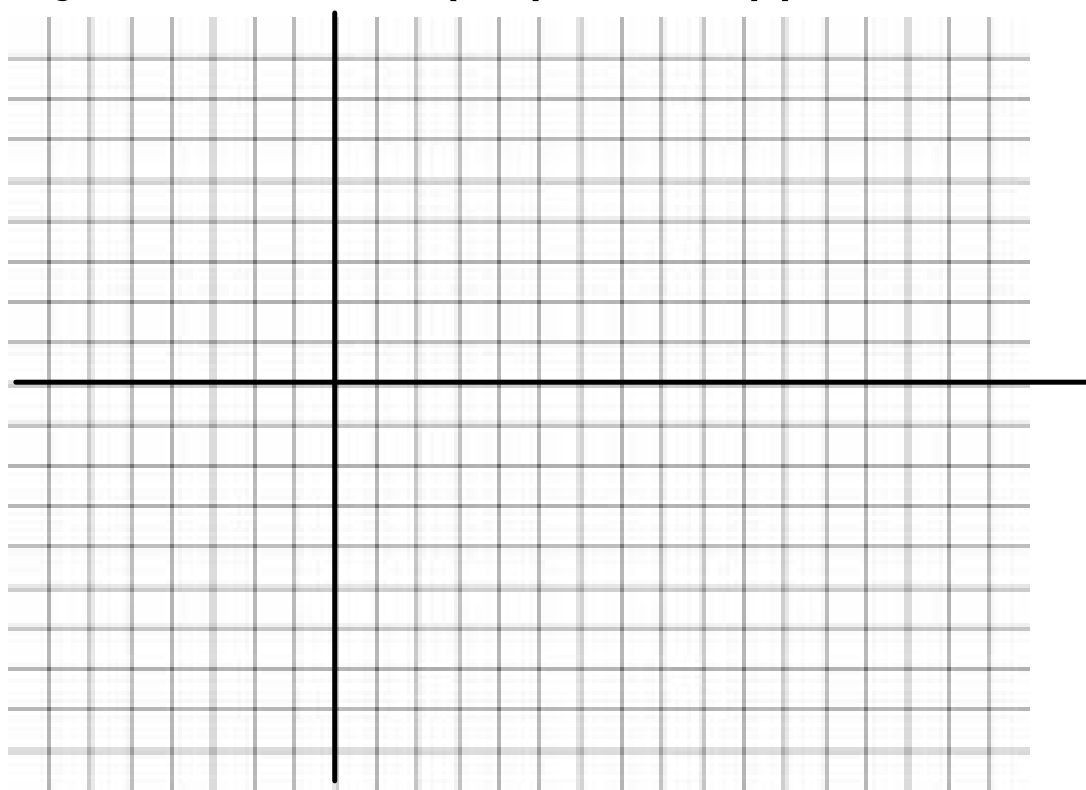
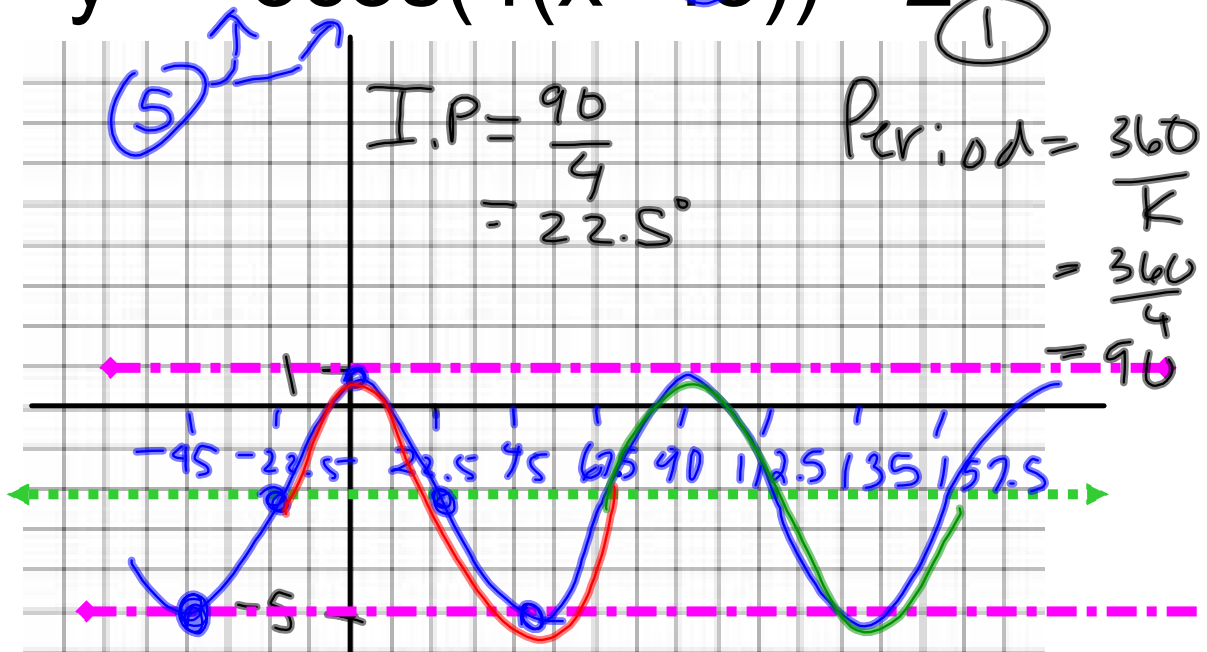


$$y = -3\cos(4(x+45)) - 2$$



$$y = -3 \cos(4(x + 45)) - 2$$



I.P. =  $\frac{90}{4}$   
= 22.5°

Period =  $\frac{360}{K}$   
=  $\frac{360}{4}$   
= 90

x	y
0	0
90	0
180	-1
270	0
360	-1

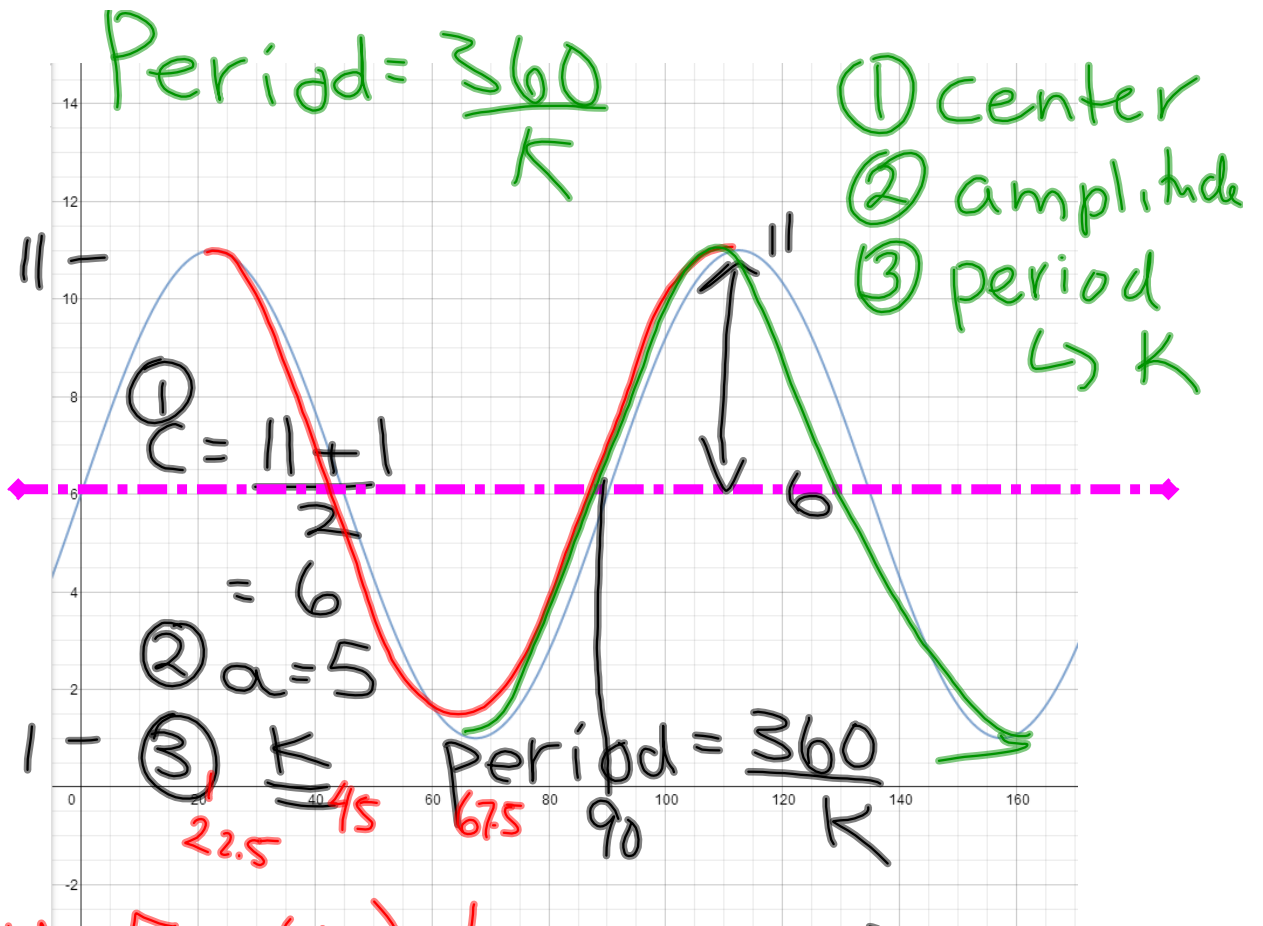
x - 3 - 2

$$y = -3 \cos(4(x + 45))$$

$$y = 3 \sin(4(x + 22.5))$$

$$y = 3 \sin(4(x - 67.5))$$

$$y = -3 \sin(4(x - 22.5)) - 2$$



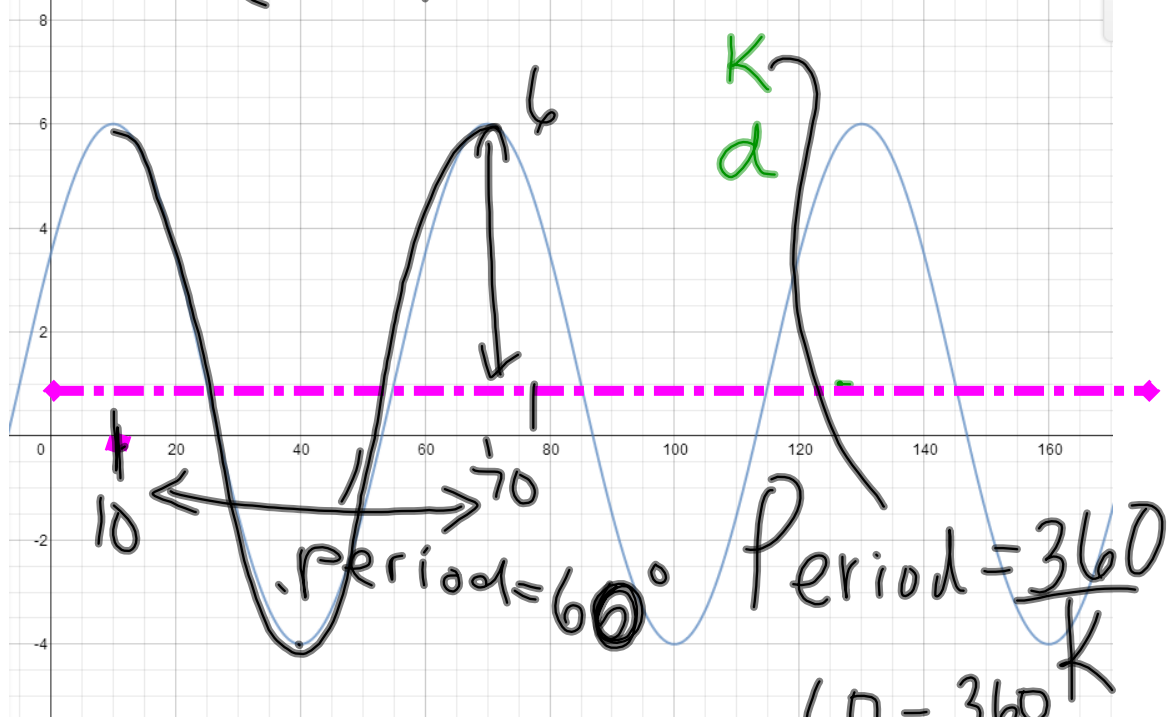
$$y = 5 \sin(4x) + 6$$

$$y = 5 \cos(4(x - 22.5)) + 6$$

$$y = -5 \cos(4(x - 67.5)) + 6$$

$$IP = \frac{90}{4} = 22.5$$

$$5 \cos(6(x-10)) + 1 \quad 5 = a \quad c = \frac{6 + -4}{2} = \frac{2}{2} = 1$$

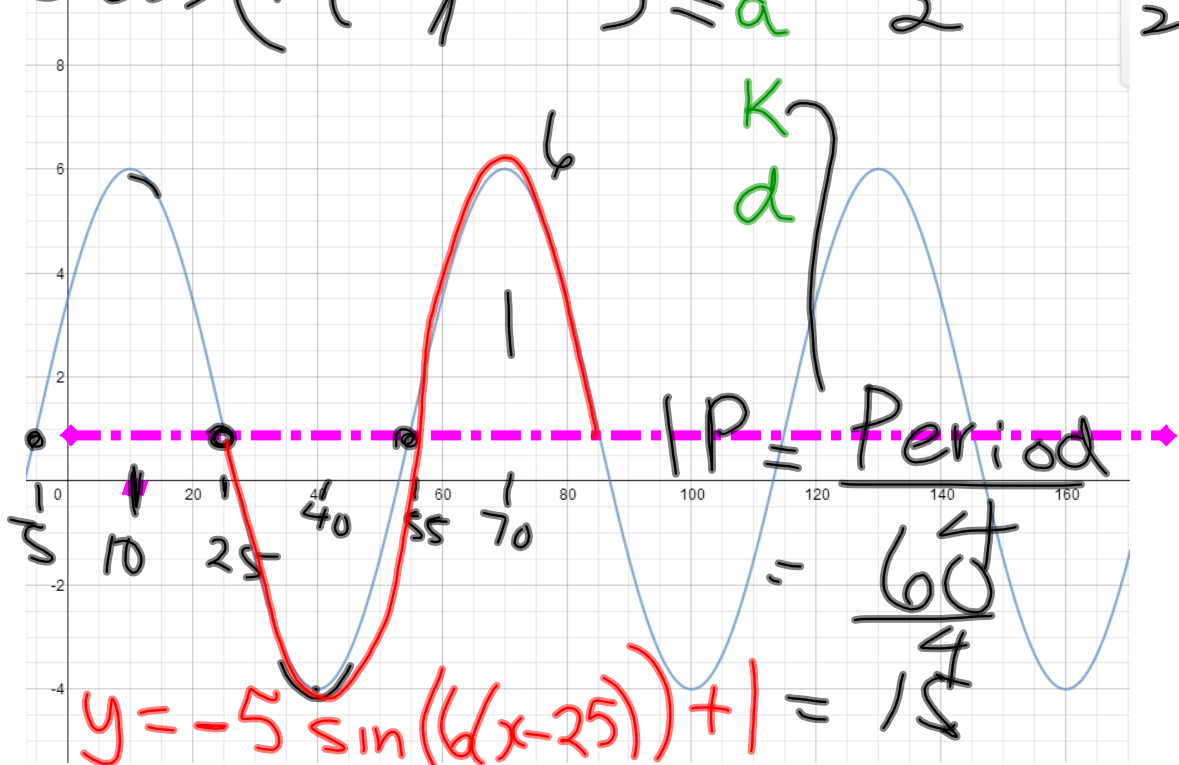


$$\text{period} = \frac{360}{K}$$

$$60 = \frac{360}{K}$$

$$K = 6$$

$$5 \cos(6(x-10)) + 1 \quad 5 = a = \frac{c = 6 + -4}{2} = \frac{2}{2} = 1$$



$$y = -5 \sin(6(x-25)) + 1 = 15$$

$$y = 5 \sin(6(x+5)) + 1$$

$$y = 5 \sin(6(x-55)) + 1 \quad k = 6$$

pg 384

# 4, 6  $\Rightarrow$  rewrite as the other curve

pg 391, 392

# 2, 3, 4, 5, 6