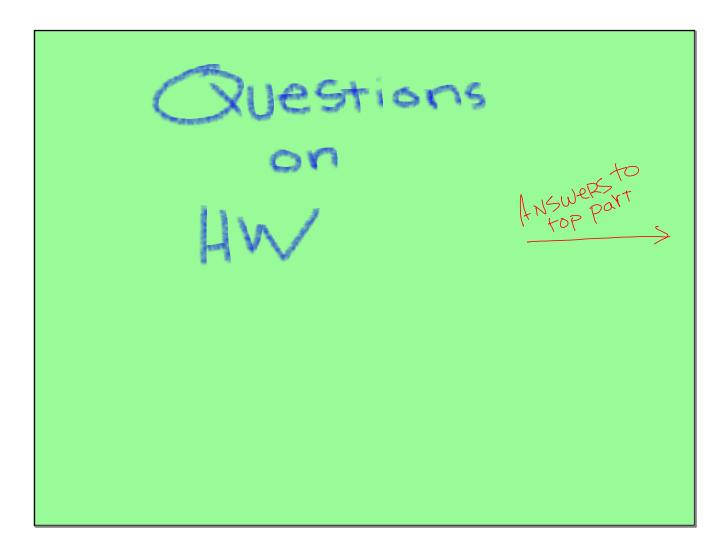
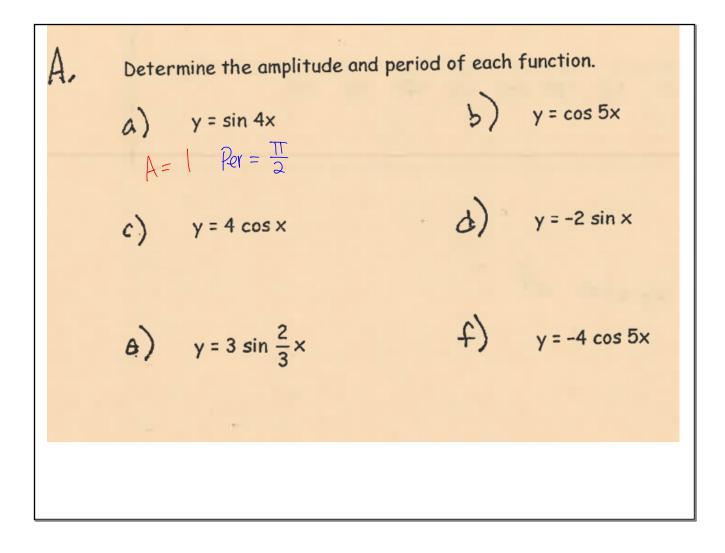
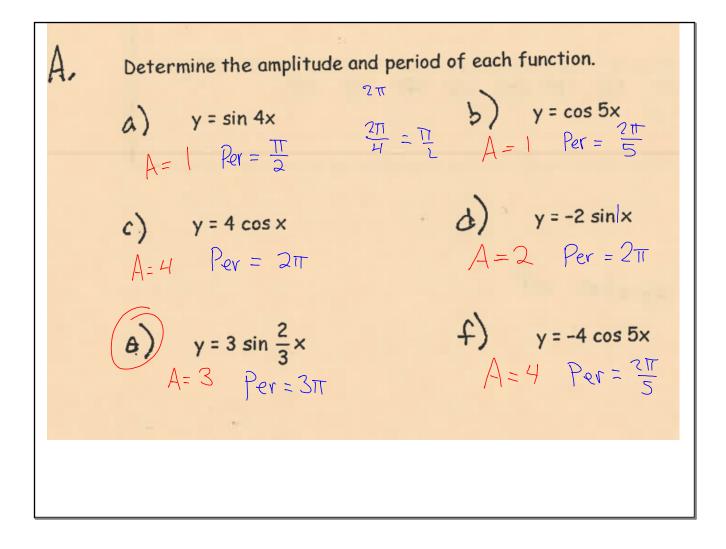
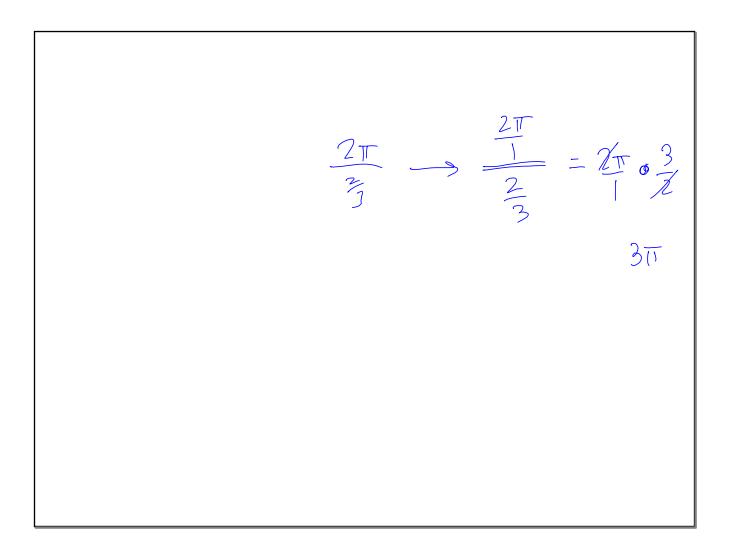
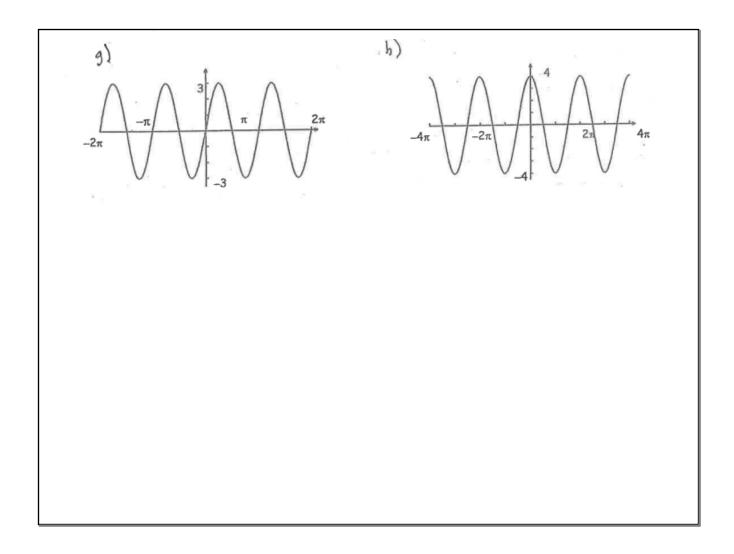
HW help Warm but pick up the Ch. 7 Test Information Turn in (yellow) Homework Packet Sheet

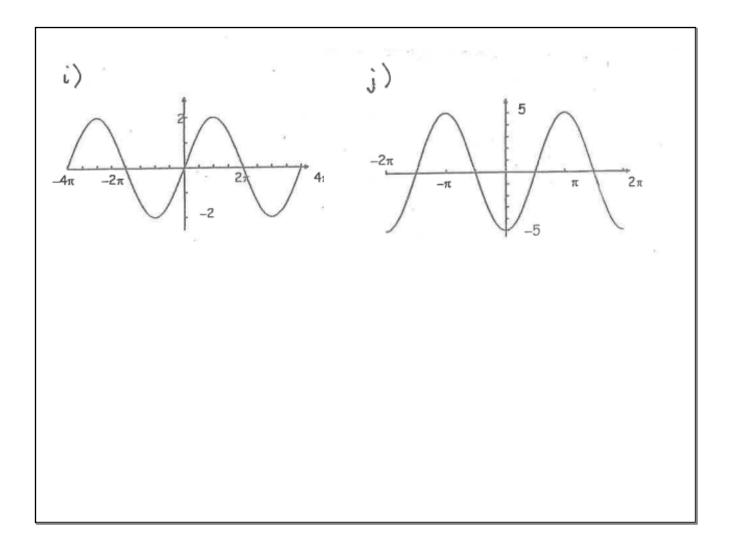


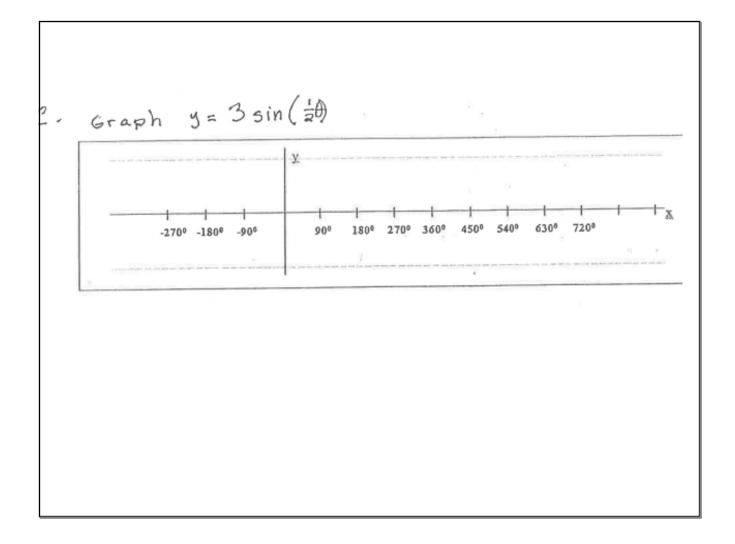


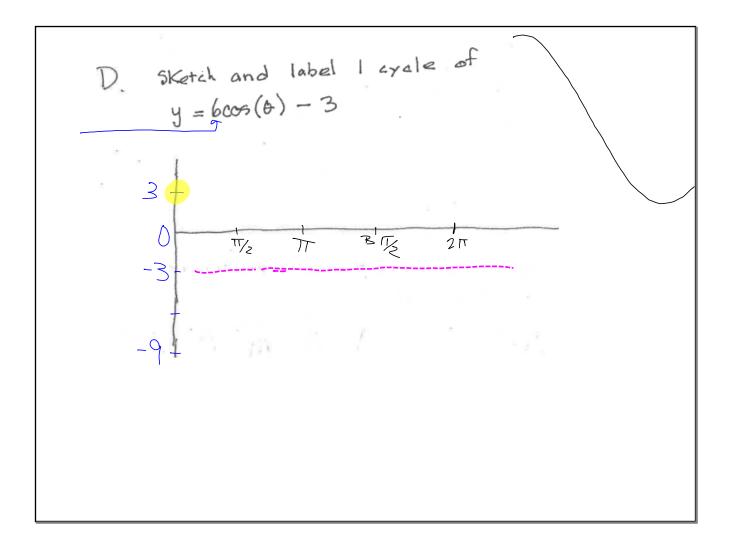


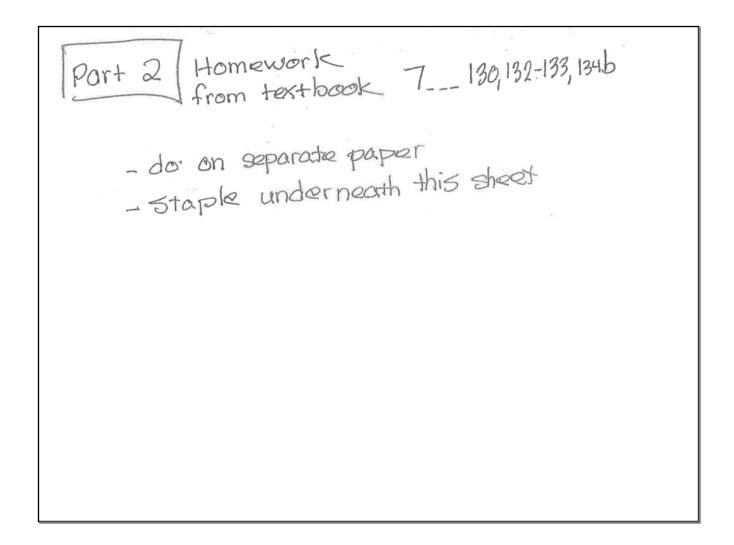




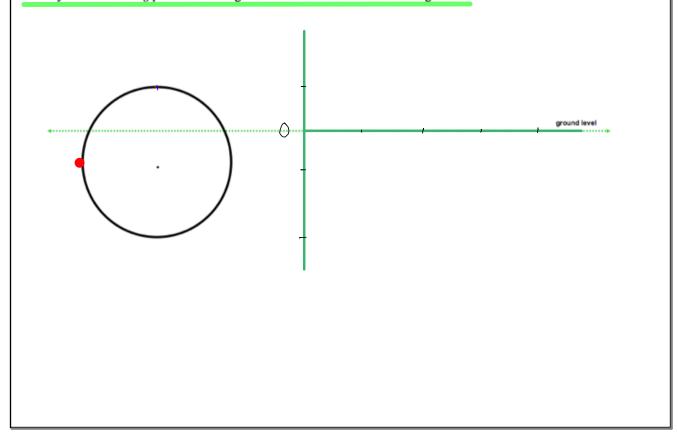


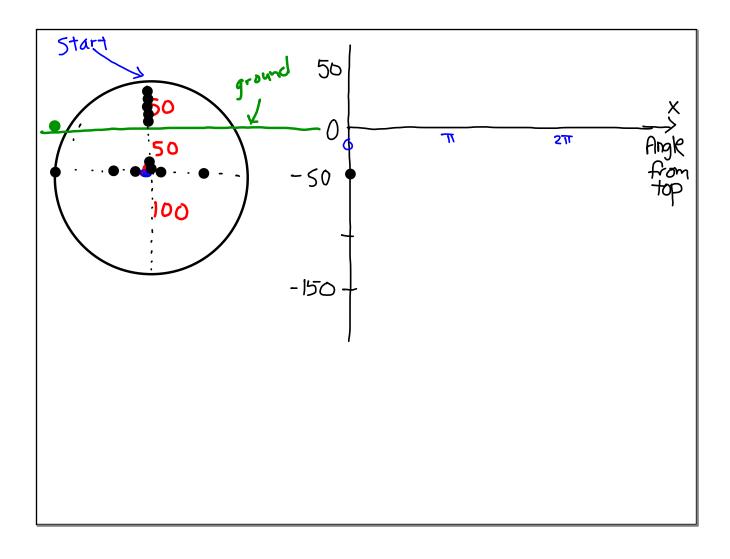


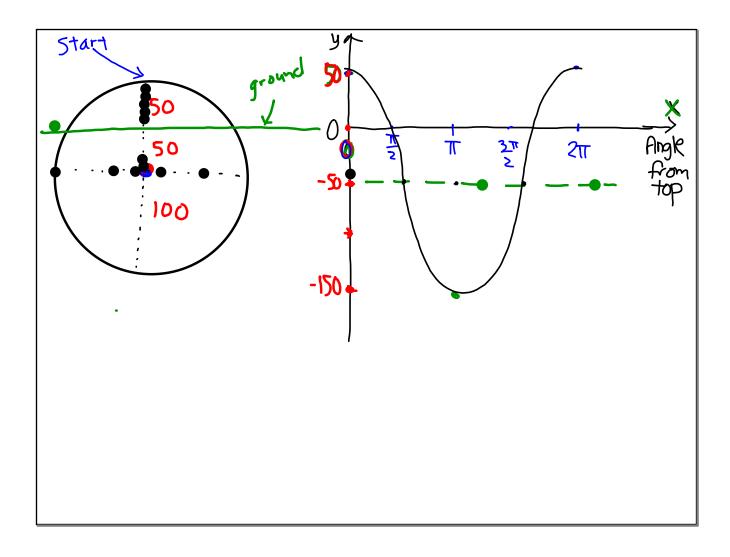


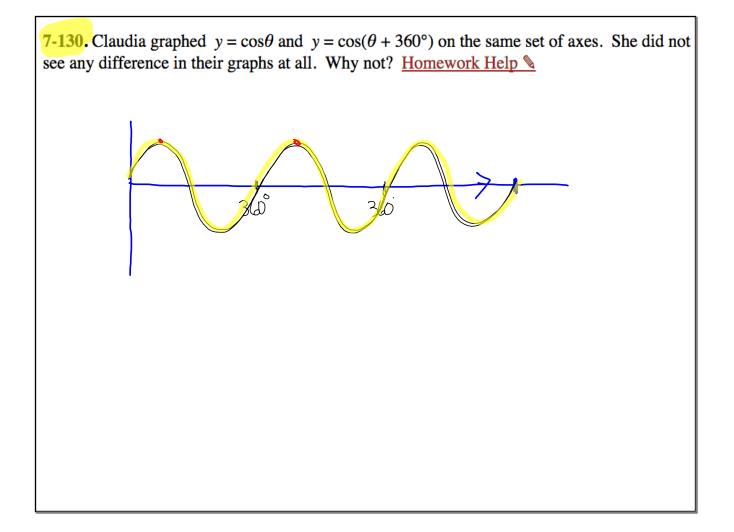


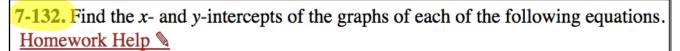
The CPM Amusement Park has decided to imitate *The Screamer* but wants to make it even better. Their ride will consist of a circular track with a radius of 100 feet, and the center of the circle will be 50 feet under ground. Passengers will board at the highest point, so they will begin with a blood-curdling drop. Write a function that relates the angle traveled *from the starting point* to the height of the rider above or below the ground.

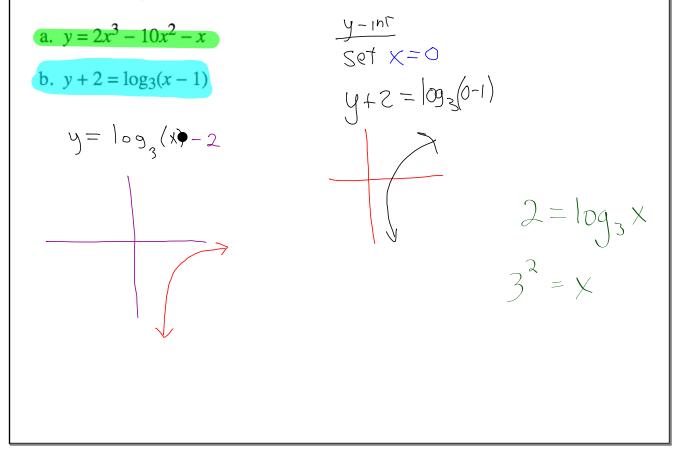


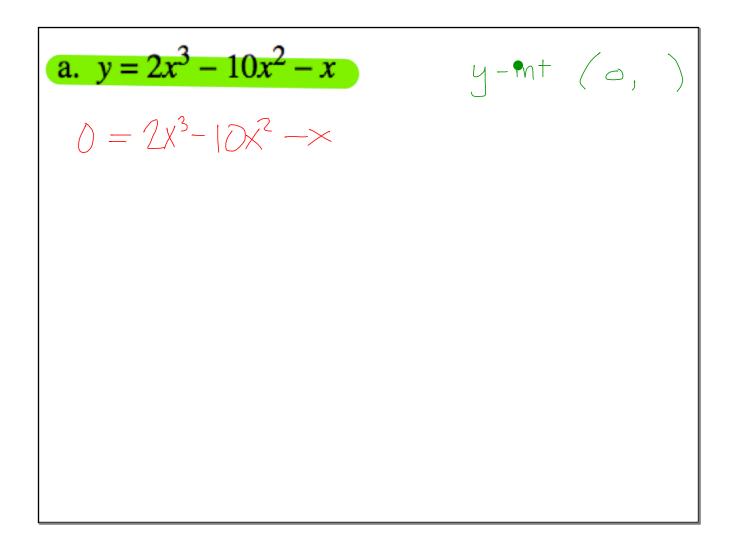












$$\frac{X - int}{3 d y = 0}$$

$$2 = - \left[0 g_3(x - 1) \right]$$

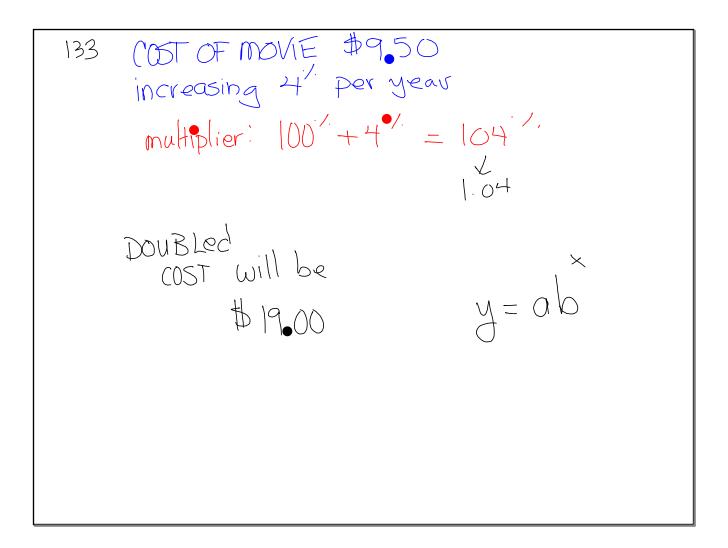
$$3^2 = - X - 1$$

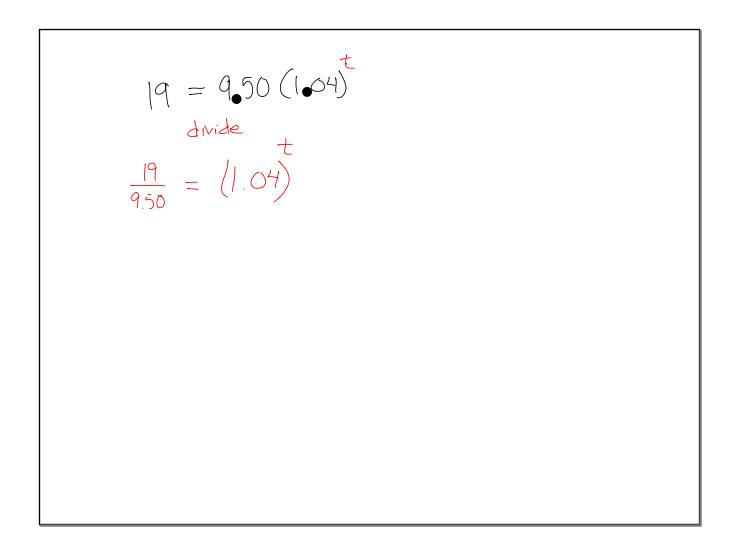
$$X = 10$$

7-134. Change each equation to graphing form. For each equation, find the domain and range and determine if it is a function. <u>Homework Help</u> $\$

a.
$$y = -2x^2 - x + 13$$

b.
$$y = -3x^2 - 6x + 12$$

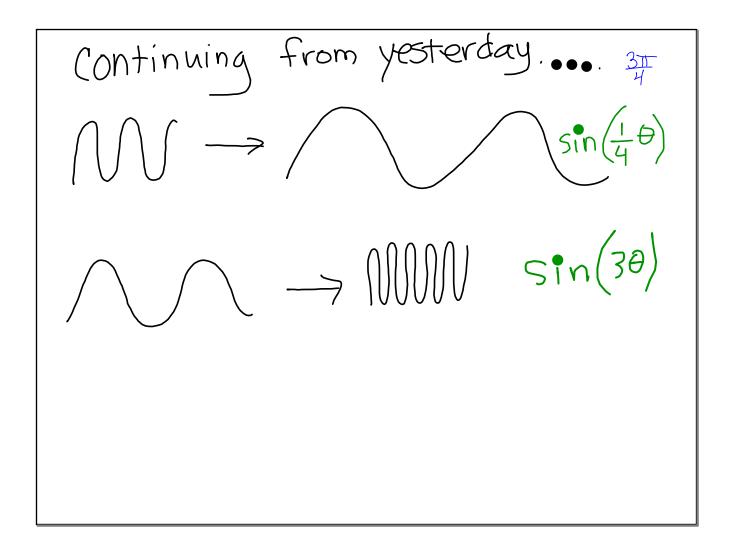


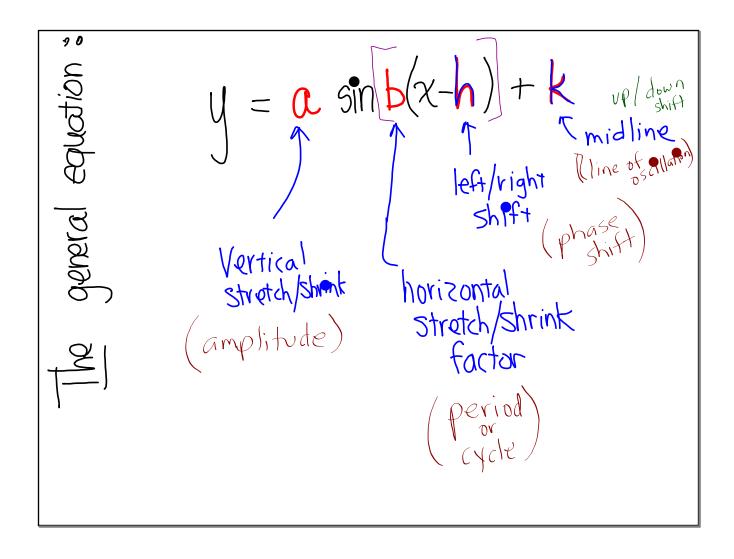


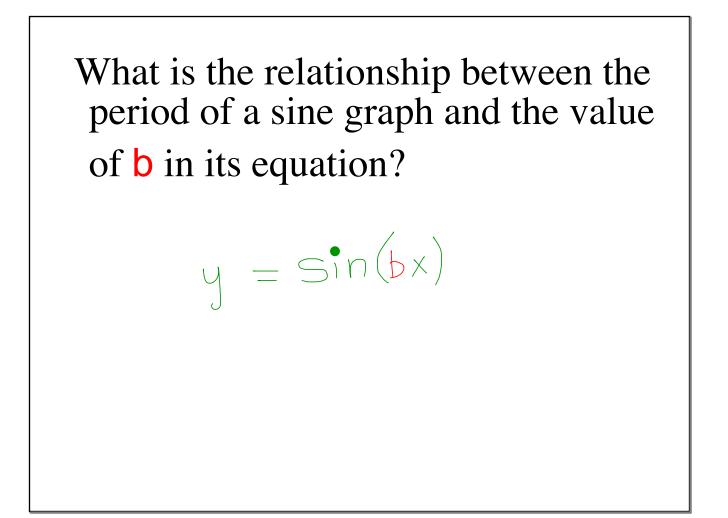
The big idea

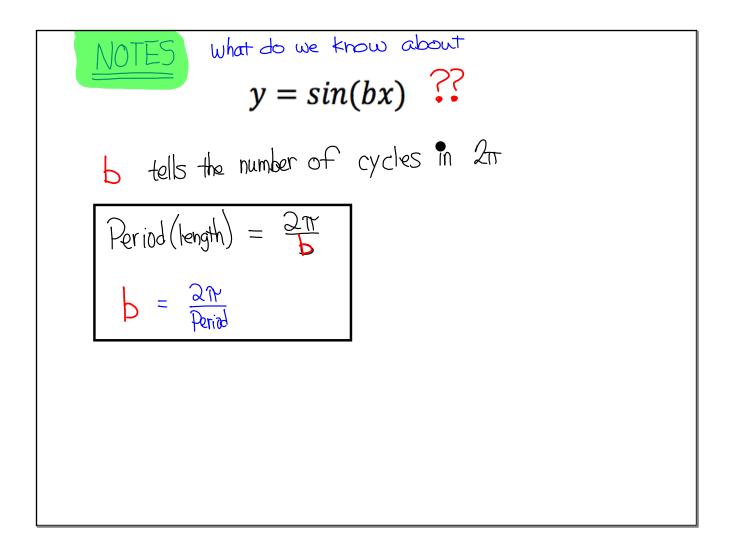
In order to model sine (or cosine) waves that occur in real situations, we need to be able to position the wave anywhere in the coordinate plane.

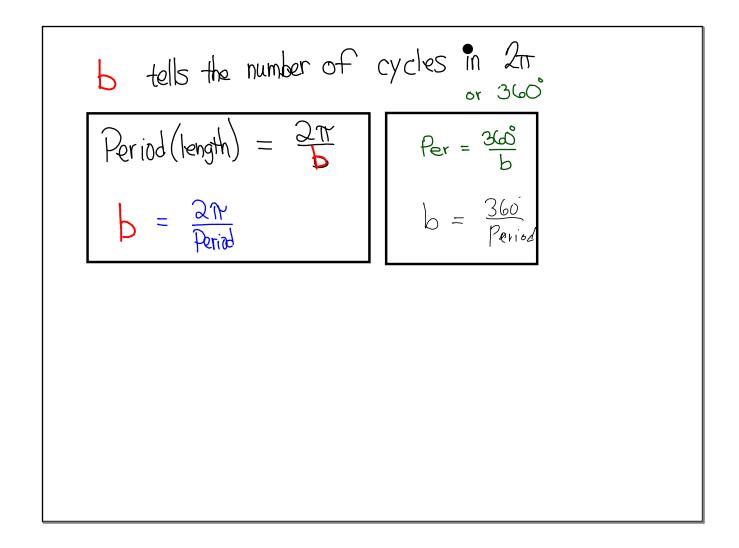
Thus, we have a need to make both scale changes and translations to our waves.

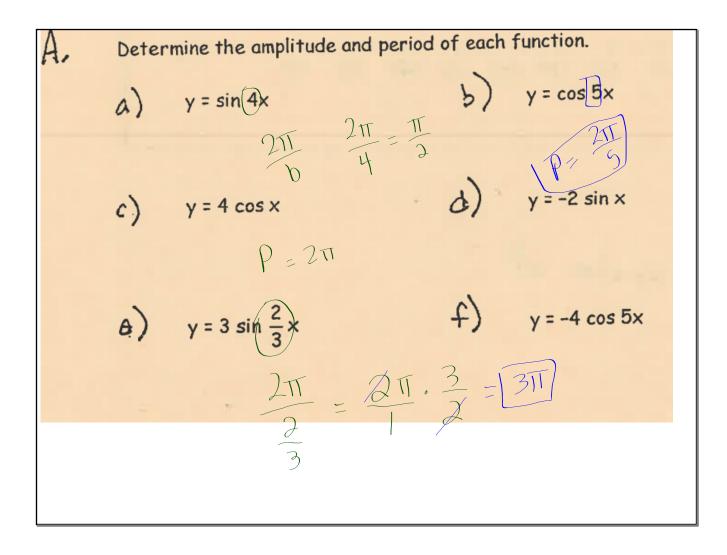




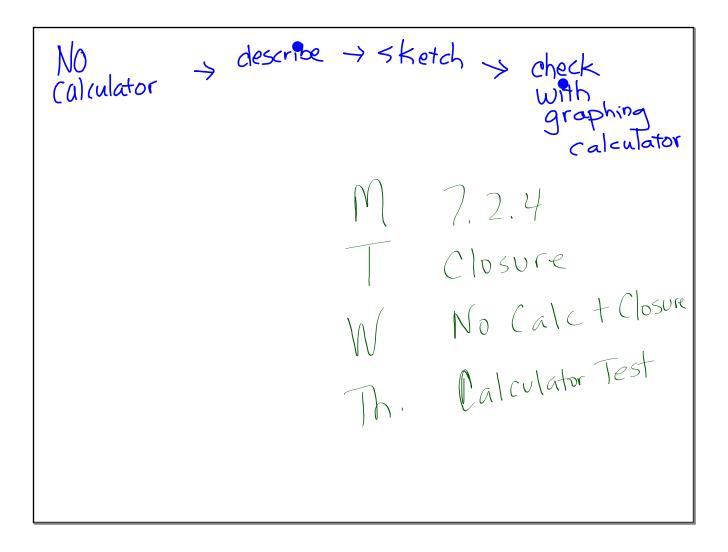


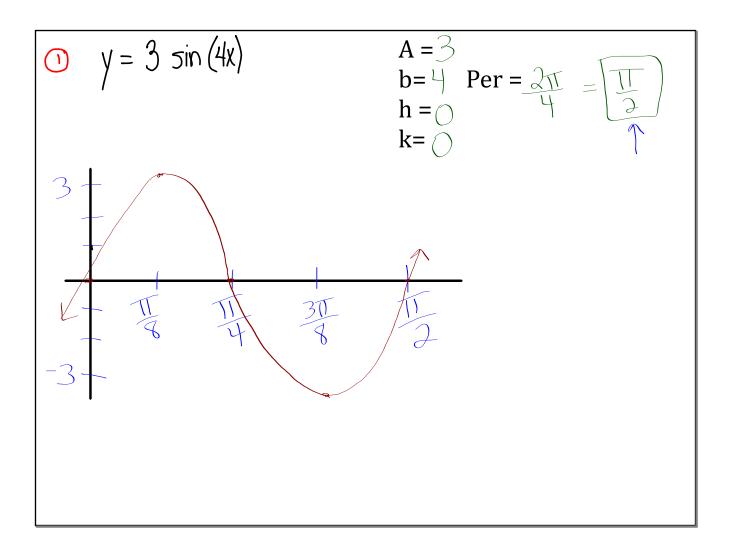


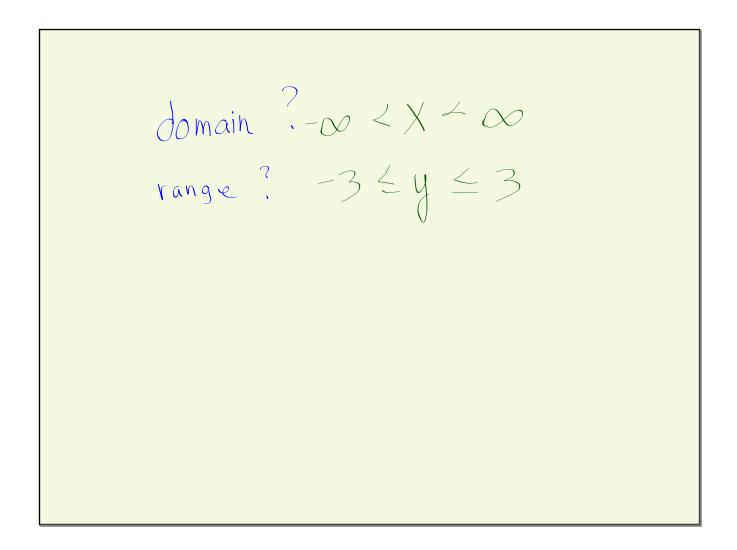


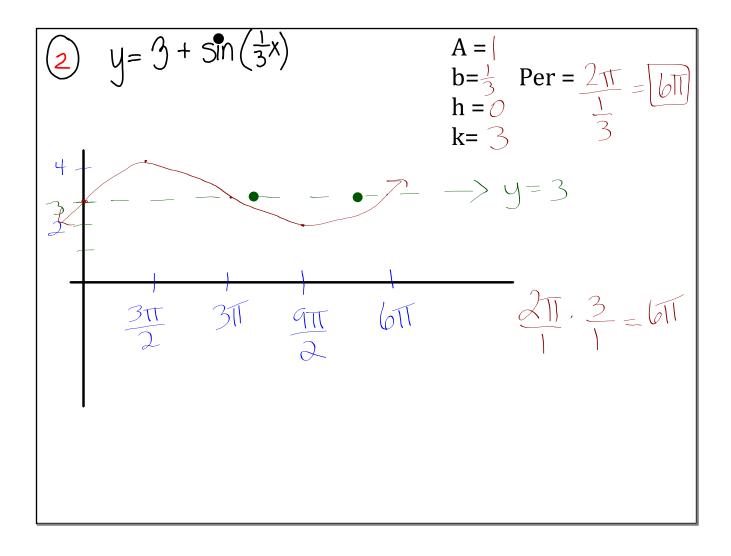


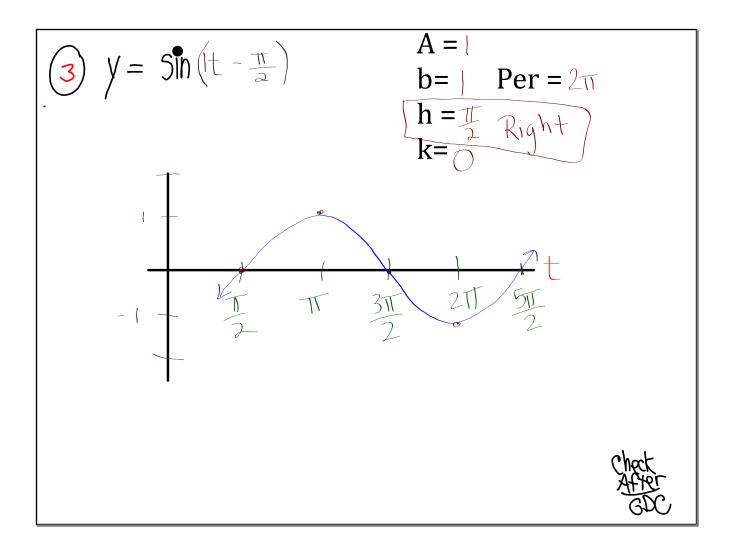


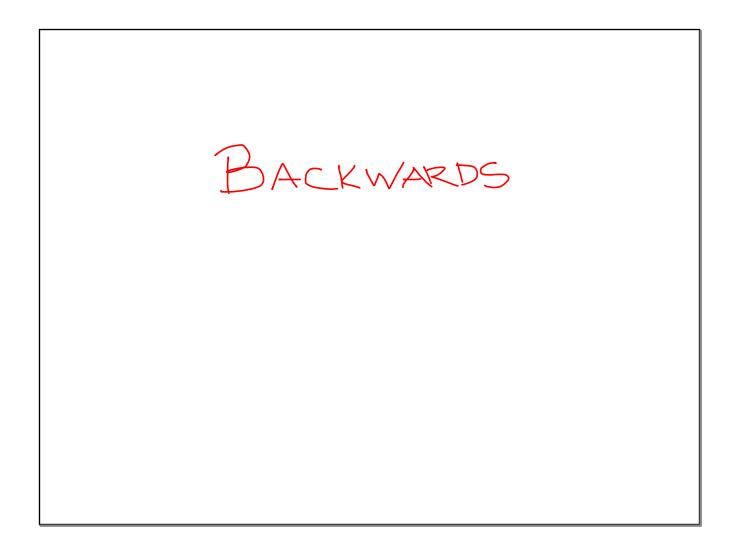


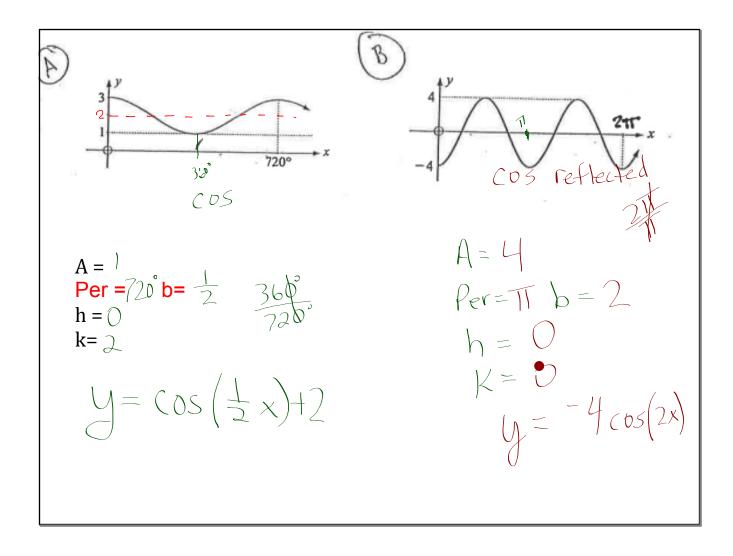


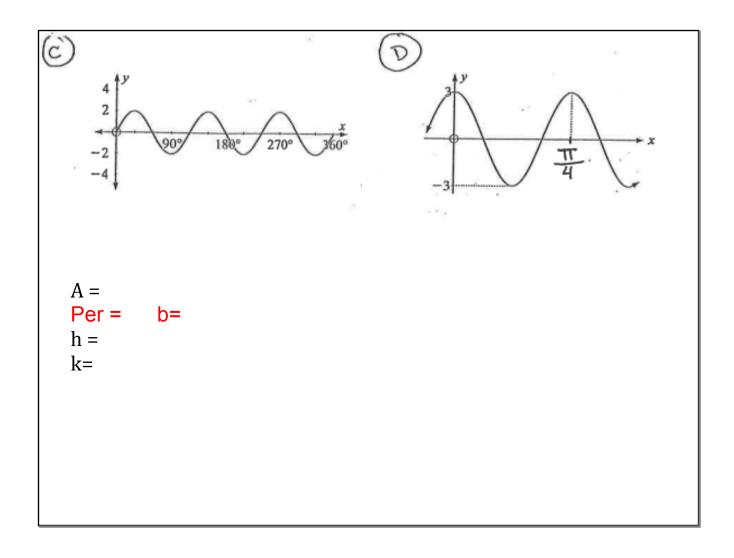


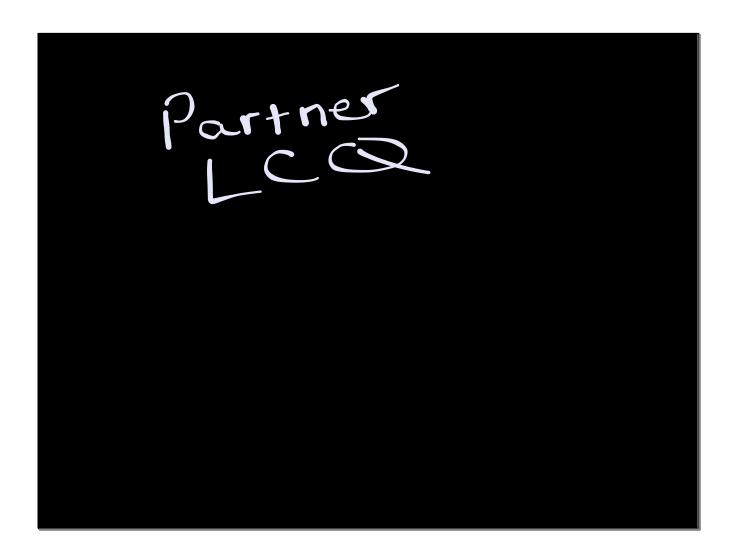












Assignment:

Worksheet: Assignment 7.2.3