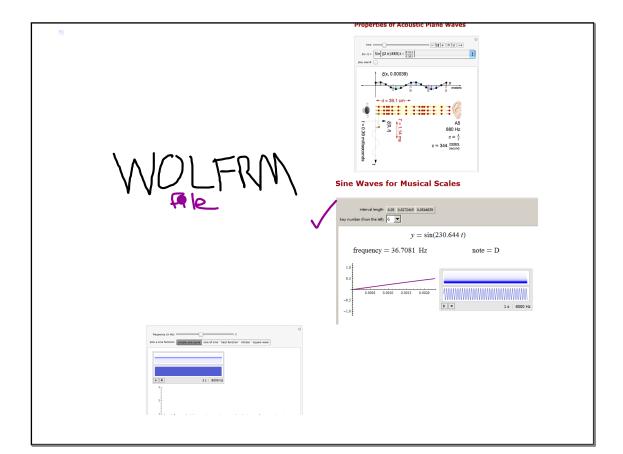
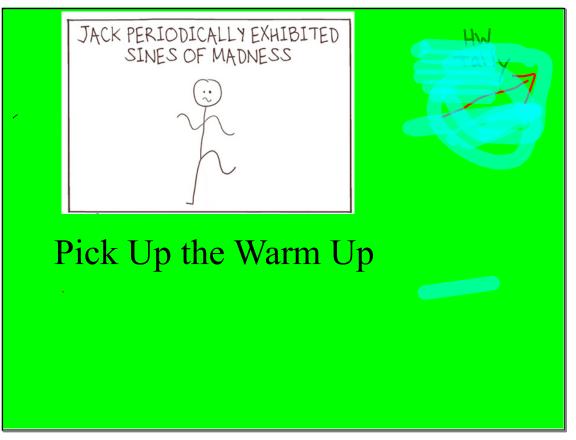
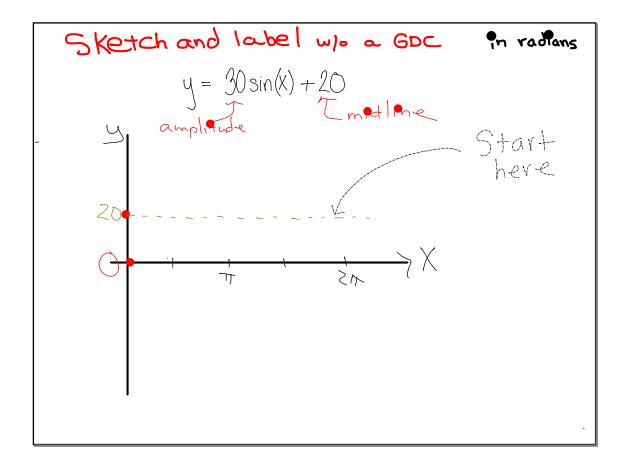
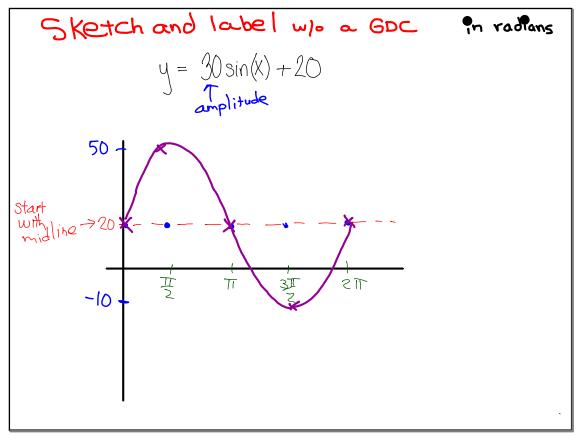
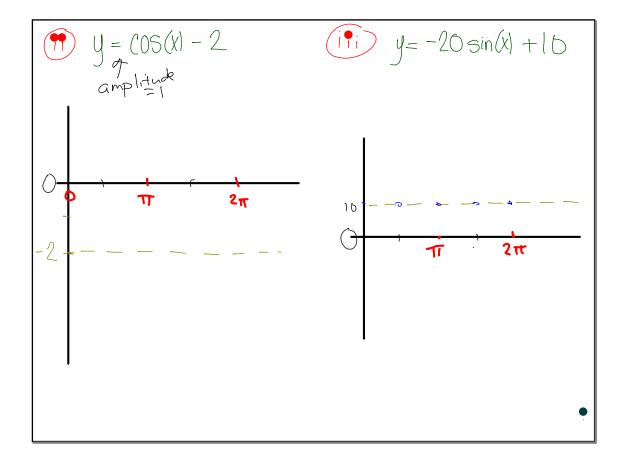
There is a video recording of Warm Up 1

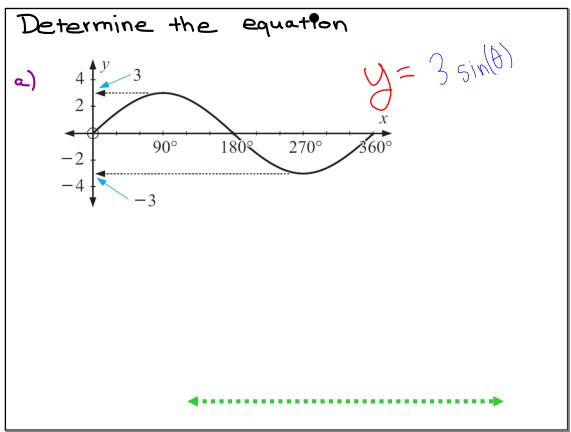


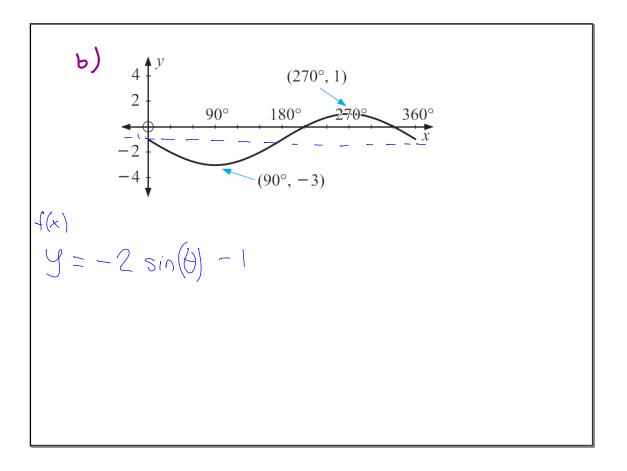




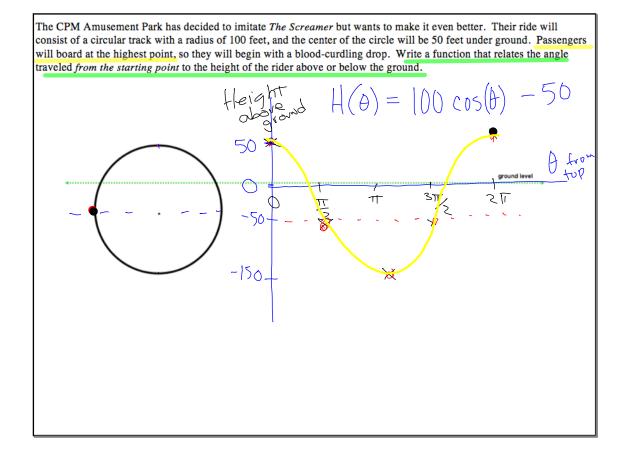


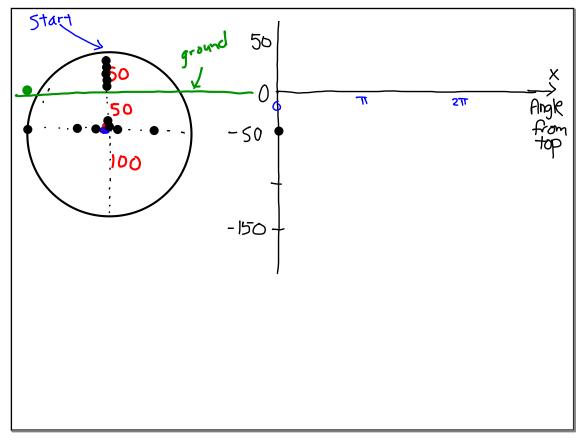


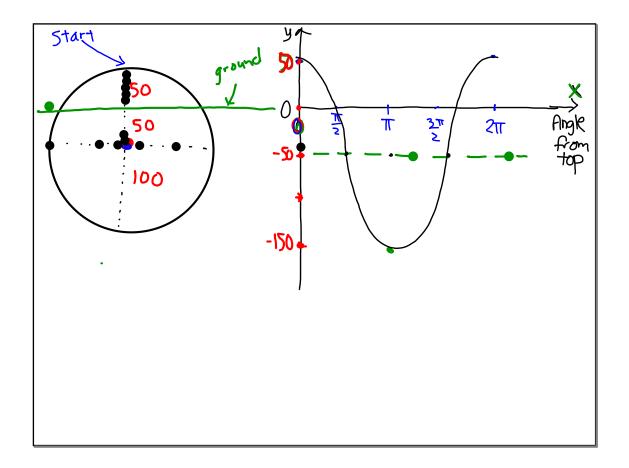


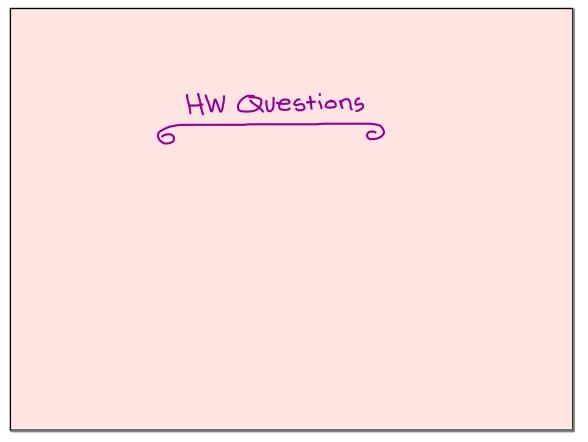


<u>Amusement</u> Park 100' radius center 50' below ground Passengers start at highest point Function Angle starting from top.

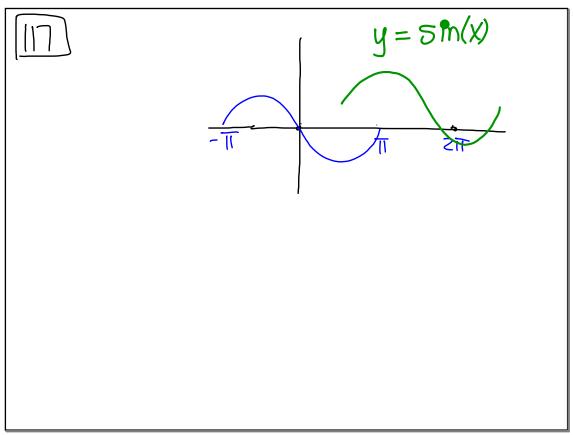


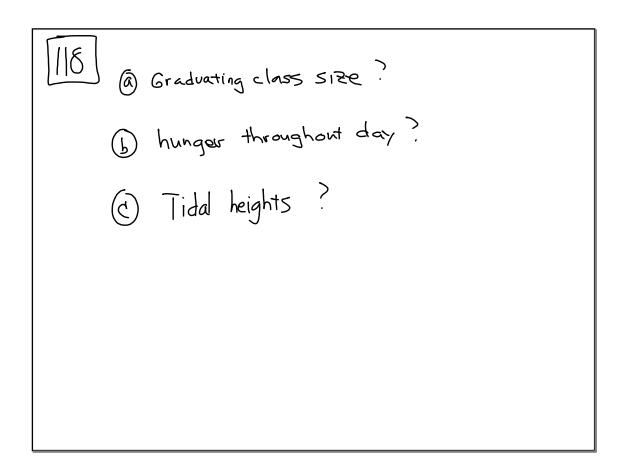


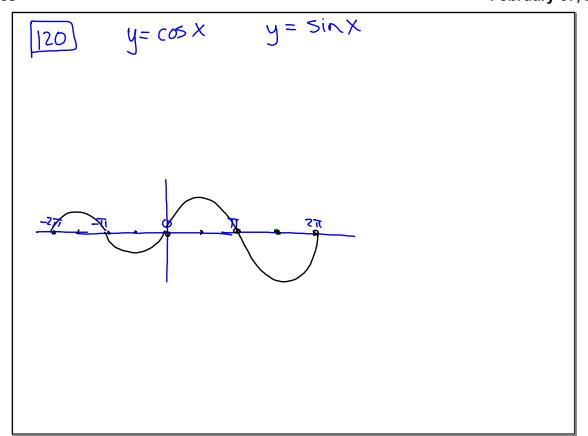




$$\begin{array}{c} \|b \\ y = \sin(x) \\ \Rightarrow \sinh(t + d v p \\ | v v v r \\ b \\ \end{array}$$

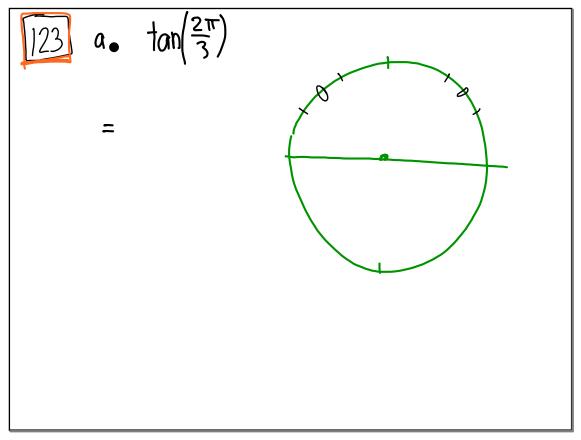


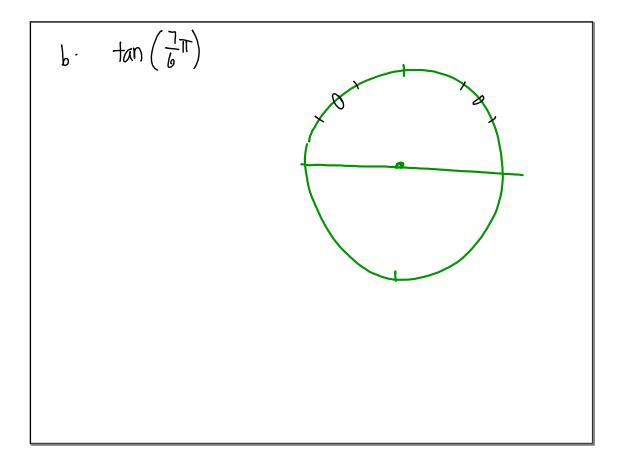


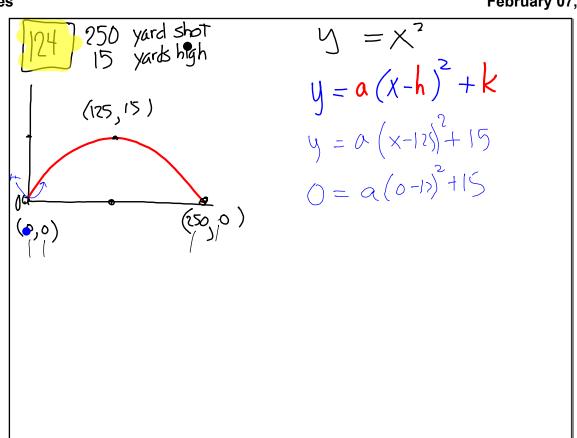


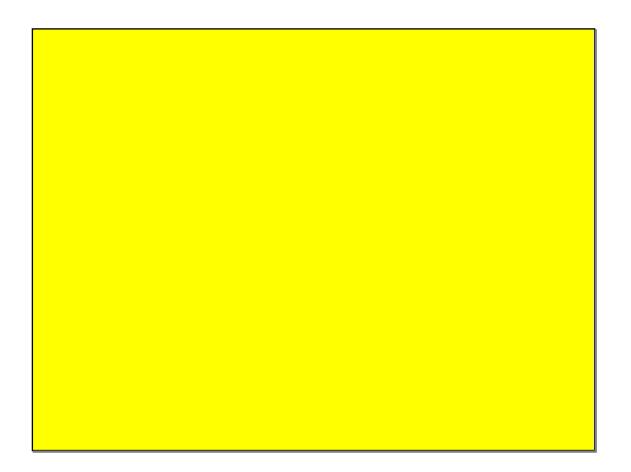
$$\begin{array}{rcl} \boxed{22} & a & \frac{3}{X} + \frac{2}{X+1} & = & 5\\ \frac{3}{X} & + & \frac{2}{X+1} & = & 5\\ \end{array}$$

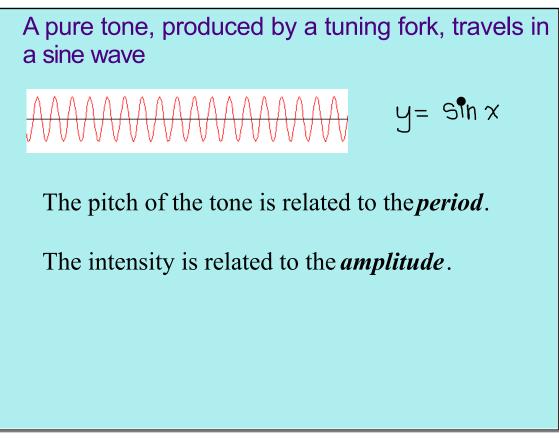
b. 
$$\chi^{2} + b\chi + 9 = 2\chi^{2} + 3\chi + 5$$
  
 $\int = \chi^{2} - 3\chi - 4$ 

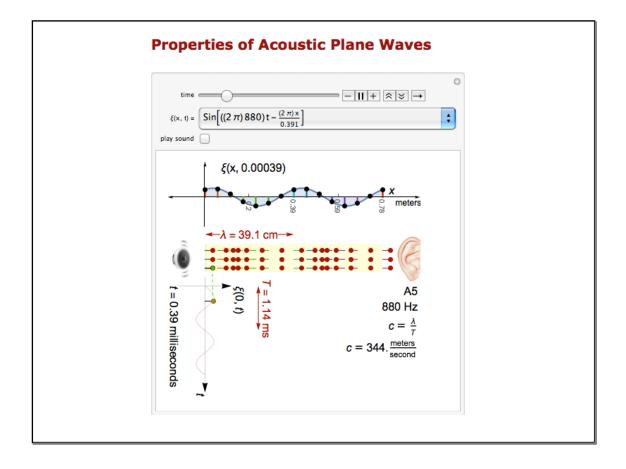








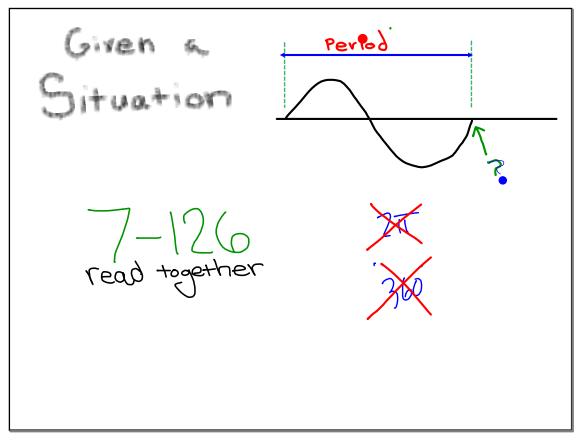


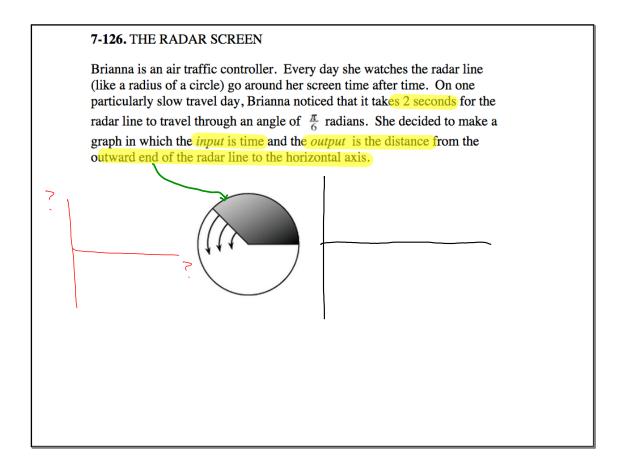


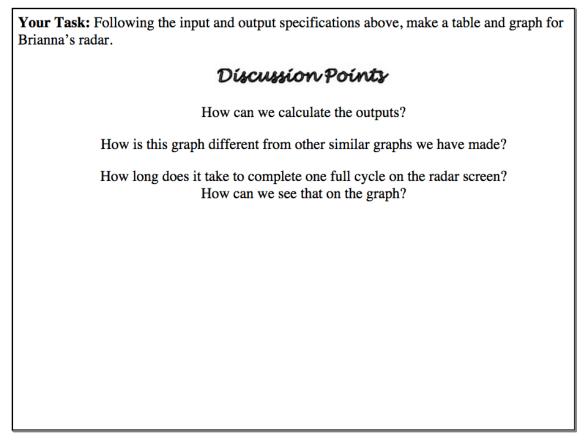
## Moral of the Story

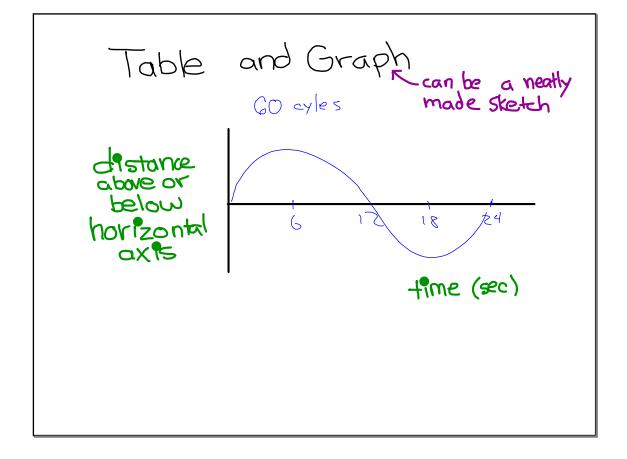
Cyclic functions can have many different cycle lenghts (periods)

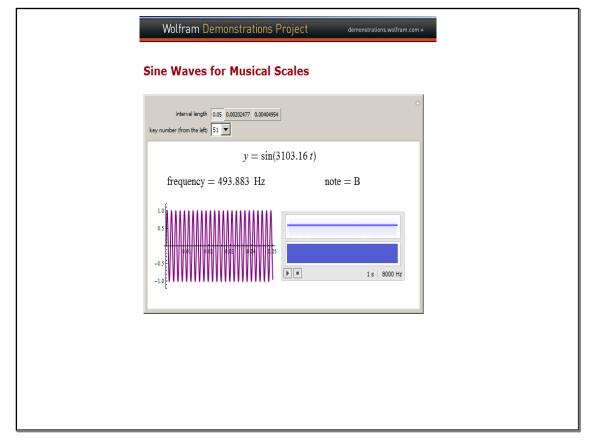
Aim Determine the missing parameter, **b**, in the general form  $Y = \mathbf{a} \sin(x-h) + k$ or  $y = \mathbf{a} (\cos(x-h) + k)$ 

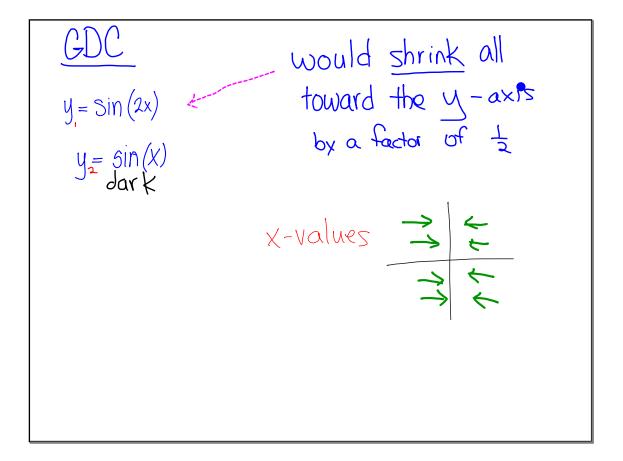






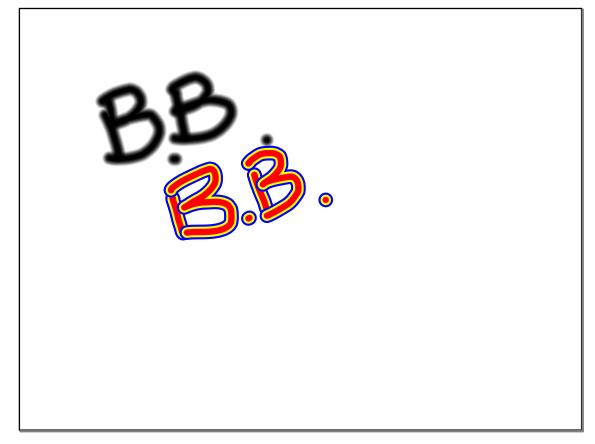


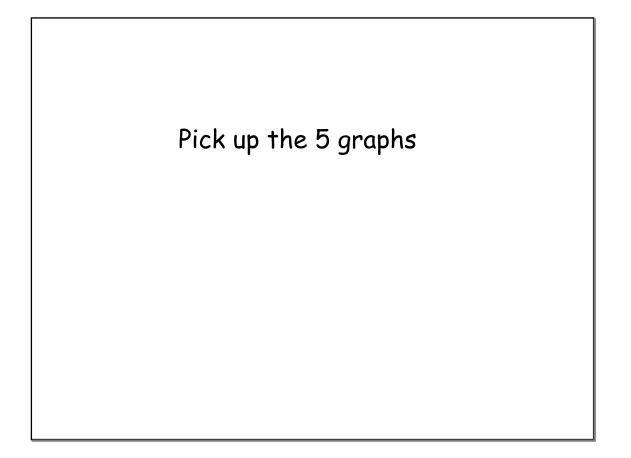


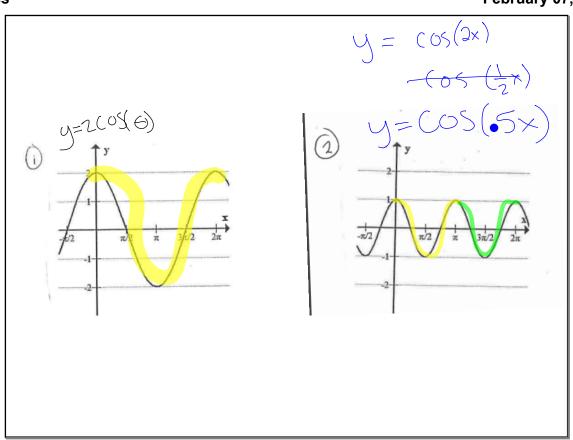


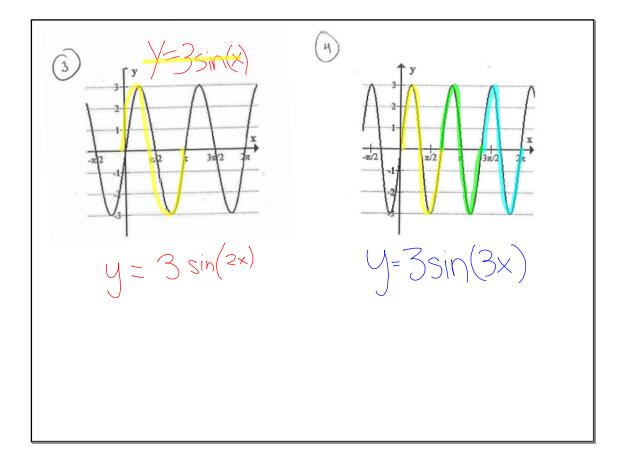
$\bigvee_{i} = S^{n}(25 \times)$	$Y = COS\left(\frac{2}{3}x\right)$
$y = \sin(x)$	y = sin(x)
y horiz stretch by 2 t -1	$(\mathbf{b})$
<u> </u>	

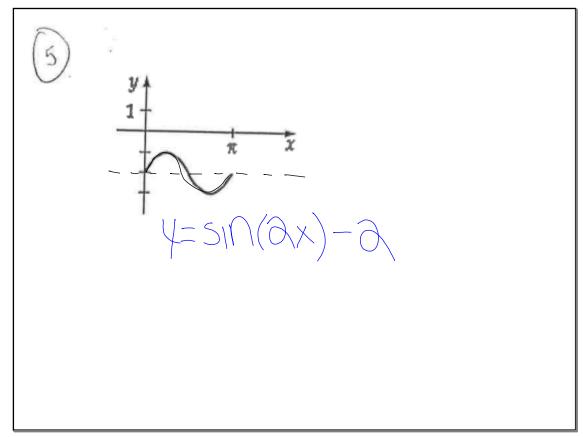
Where is no  
horizontal slide 
$$y = a \sin \left[ \frac{b(x-h)}{b(x-h)} + k + \frac{b(x-h)}{b(x-h)} + \frac{b(x-h)}{b(x-h)} + k + \frac{b(x-h)}{b(x-h)} + \frac{b(x-h$$

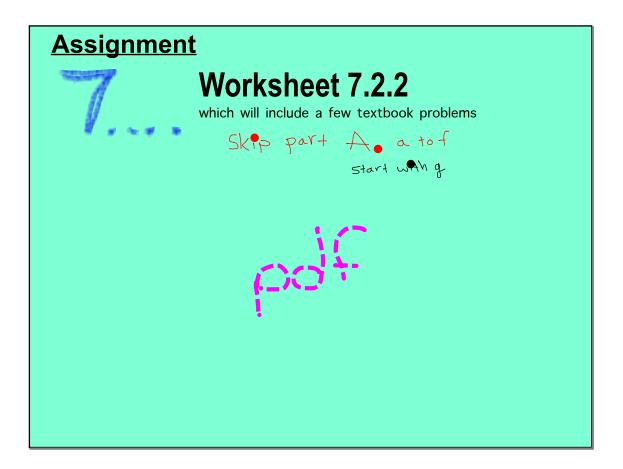












7.2.2 Notes

