https://www.desmos.com/calculator/ie7t023ltt

New Seat Chart

Name or paper on your desk



Like a scavenger hunt



HW Questions

Correction:

Pick UP the Warm Up

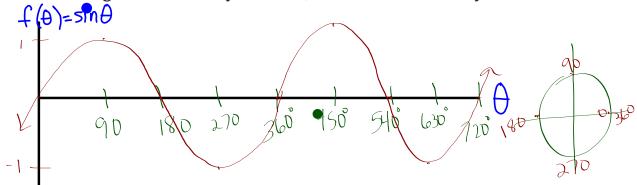
#4, part 3

missing Angle

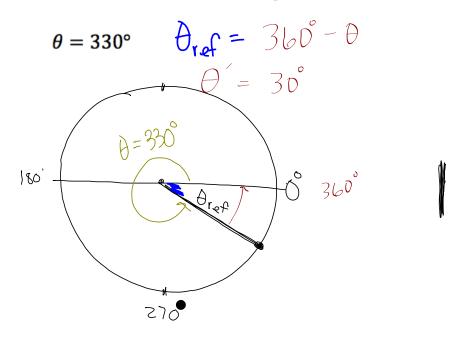
measure: 340

Warm Up 7.1.4 day 1

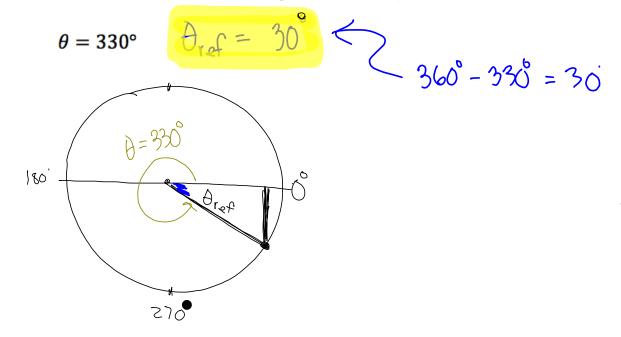
Without using a calculator or your notes, sketch and label two cycles of a sine curve

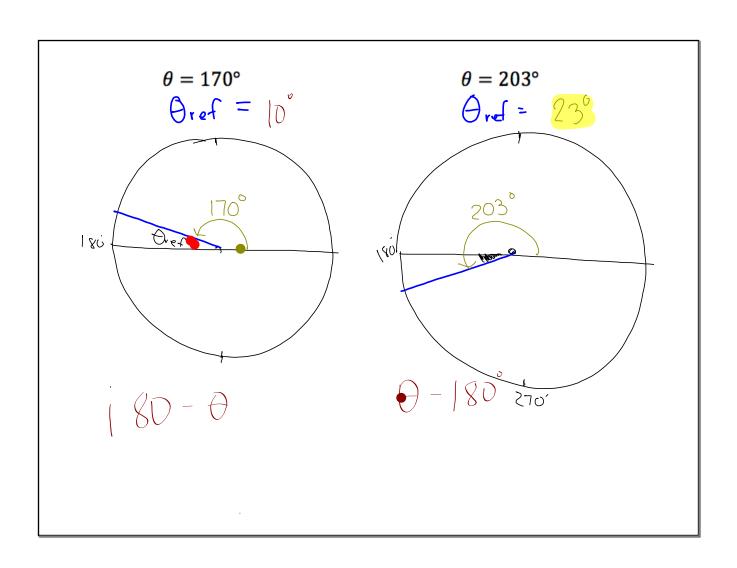


Determine the size of the *reference angles* associated with the following angles of rotation. Draw unit circles with a horizontal midlines to help. (a vertical axis might cause confusion so leave it off)

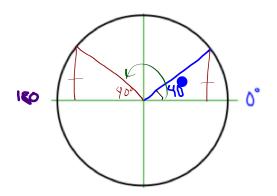


Determine the size of the *reference angles* associated with the following angles of rotation. Draw unit circles with a horizontal midlines to help. (a vertical axis might cause confusion so leave it off)

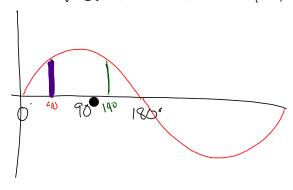




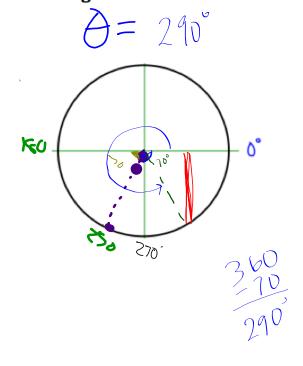
Name another rotation angle with the same **vertical height as** as 40°.



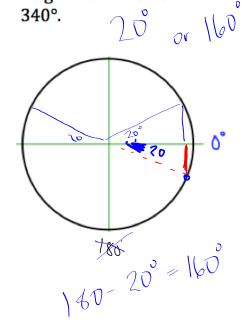
via a Sine Graph



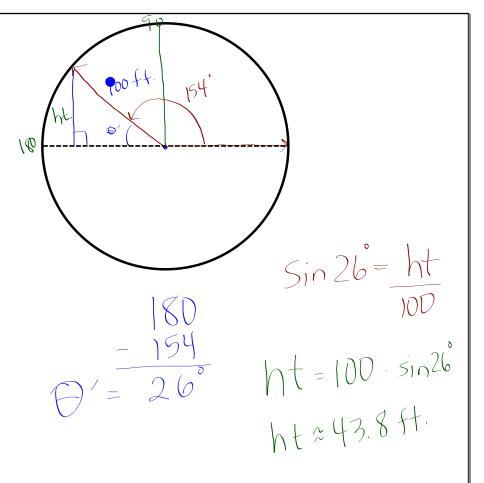
Name another rotation angle with the same **vertical height as** as 250°.

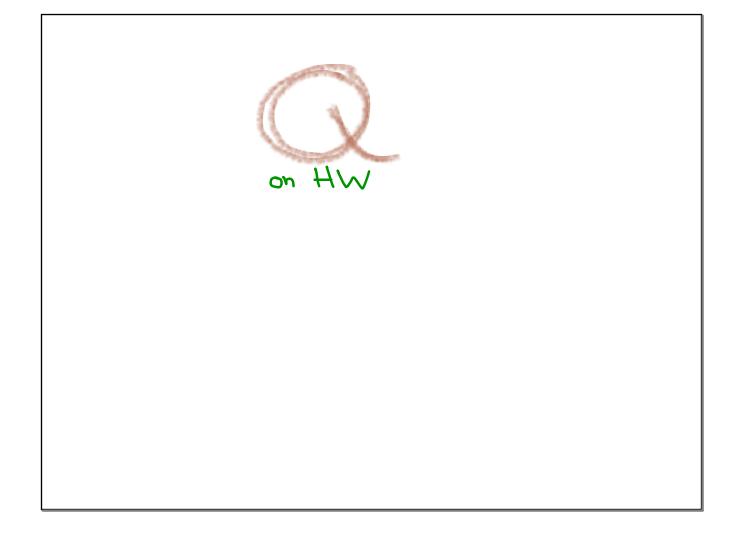


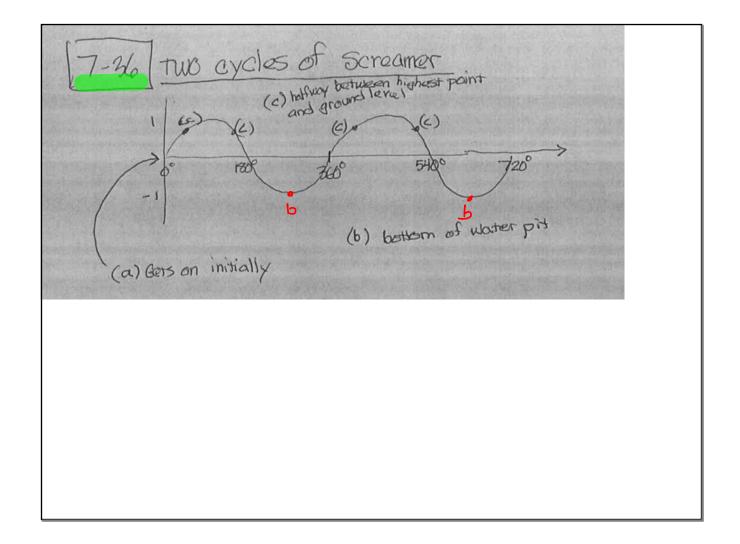
tricky -Name an another rotation angle whose **vertical height** is the <u>opposite</u> of the height from a rotation of 340°.

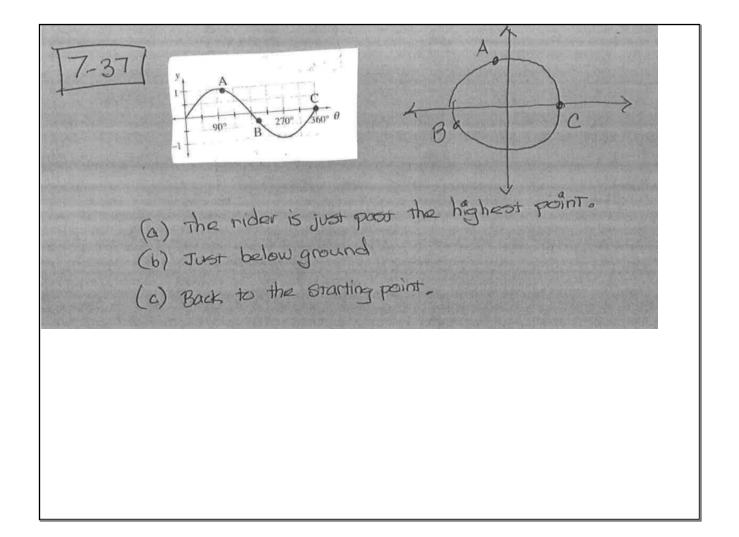


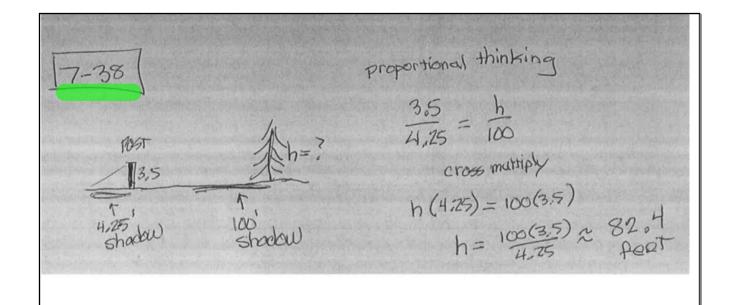
5. Suppose your best friend was stuck on the *Screamer* Ferris Wheel when it had rotated 154°. How high was the climb down to the ground level?



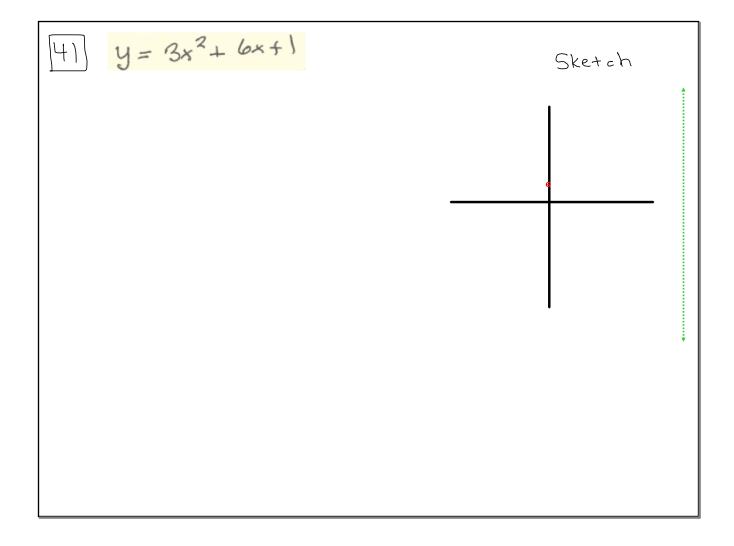








7-40
$$y = 3x^{2} + 6x + 1$$
 $3x^{2} + 6x + 1 = 0$
 $3x^{2} + 6x + 1$



Forty total pennents
$$\Rightarrow w+c+p=40$$

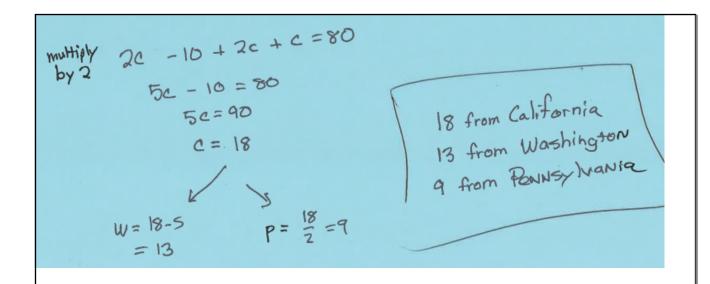
7-44 Five fewer from Washington $\Rightarrow w=c-5$

than California

than California

than in Pennsylvania

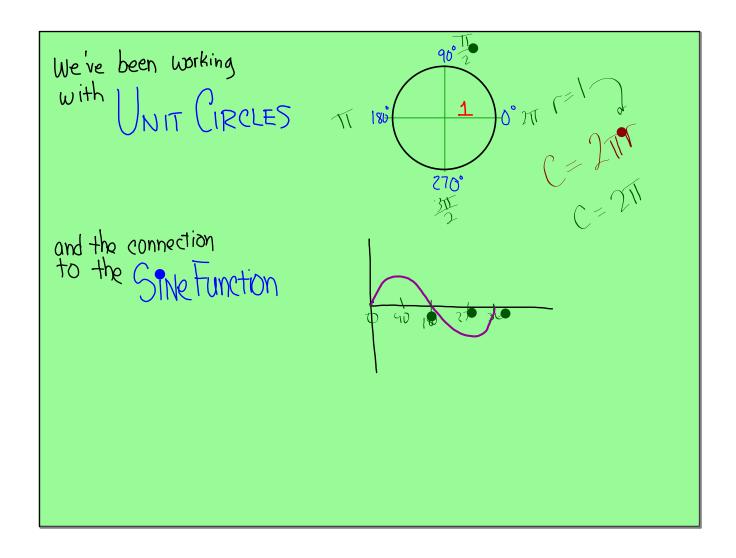
 $p=\frac{e}{2}$
 $w+c+p=40$
 $0-5+c+\frac{c}{2}=40$

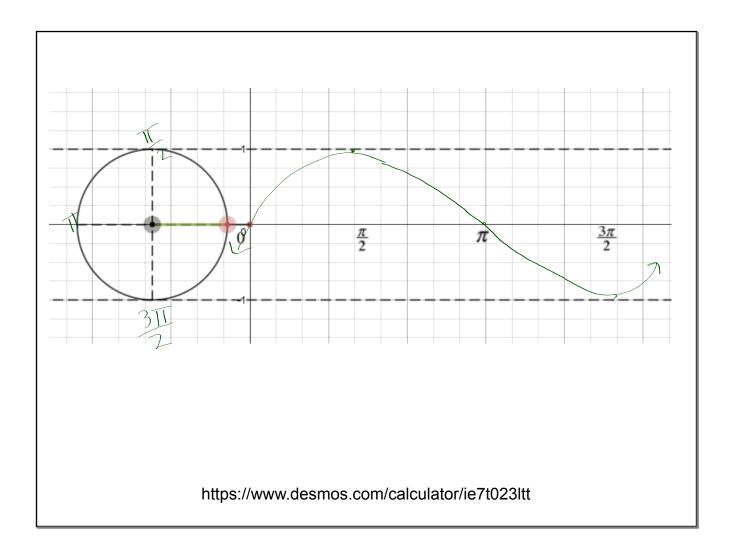


TODAY Cosine gets Involved

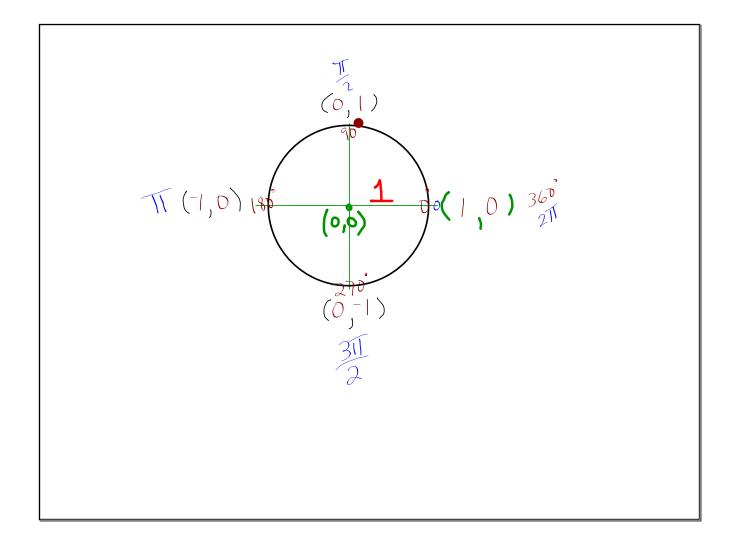
Generate the Unit Circle Definition of Sine and Cosine

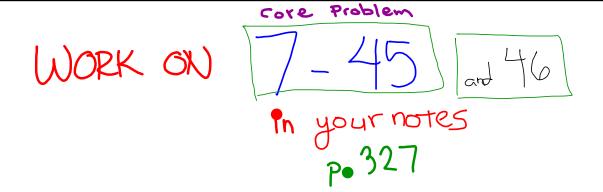
For the next few minutes, do not pick up any writing implement of any kind.



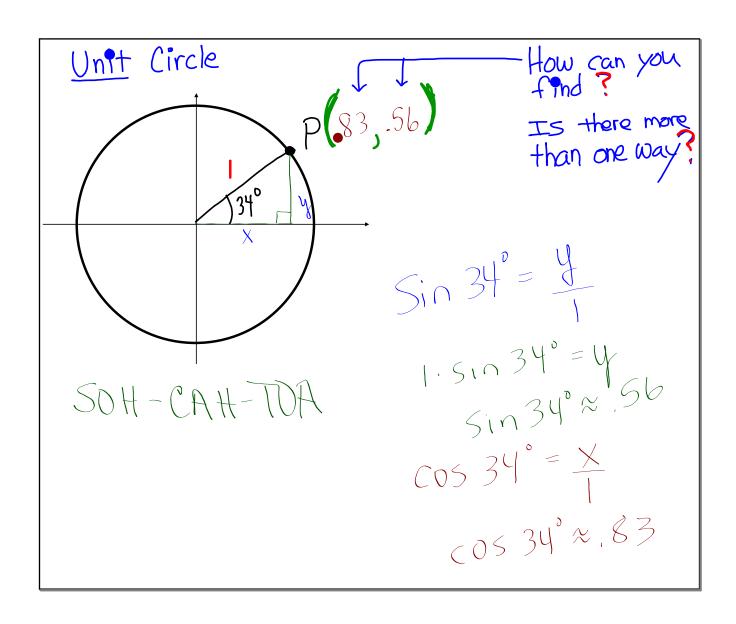


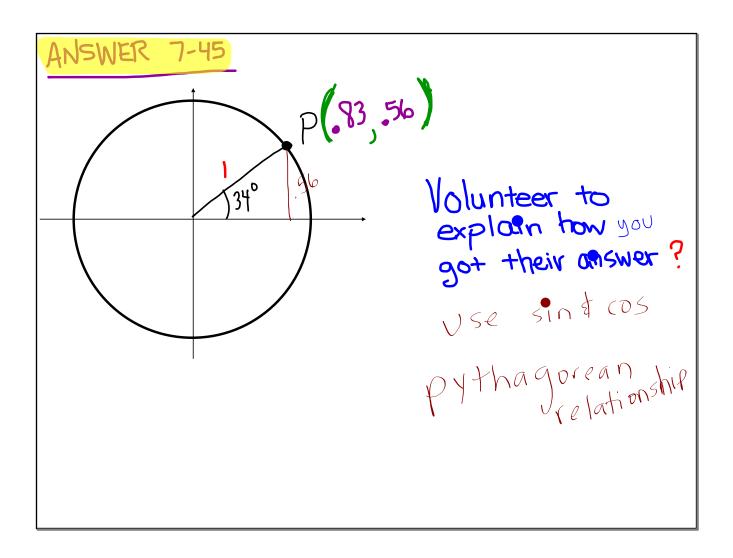
NOTES (0,5)

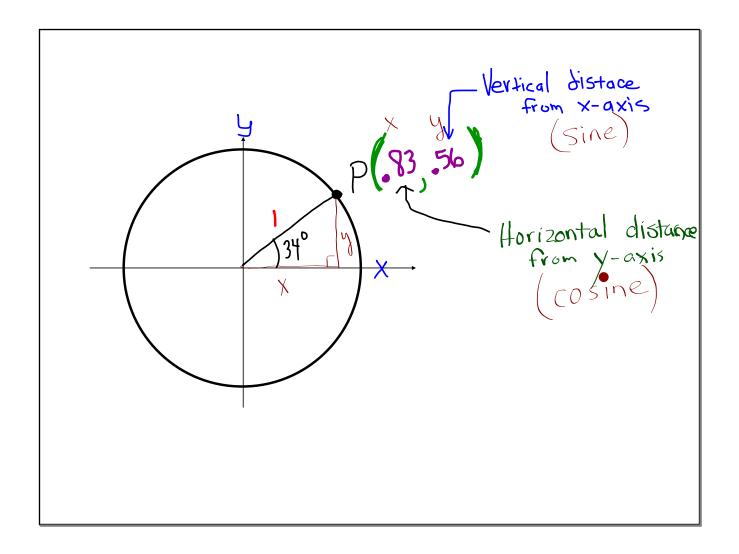


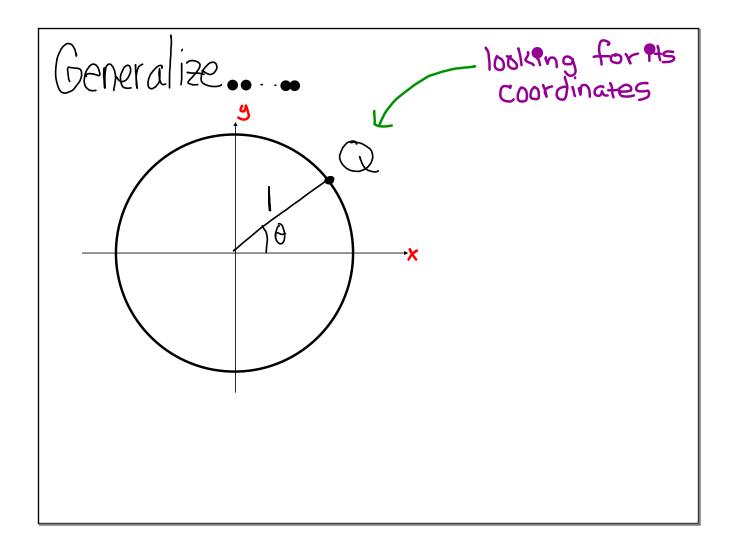


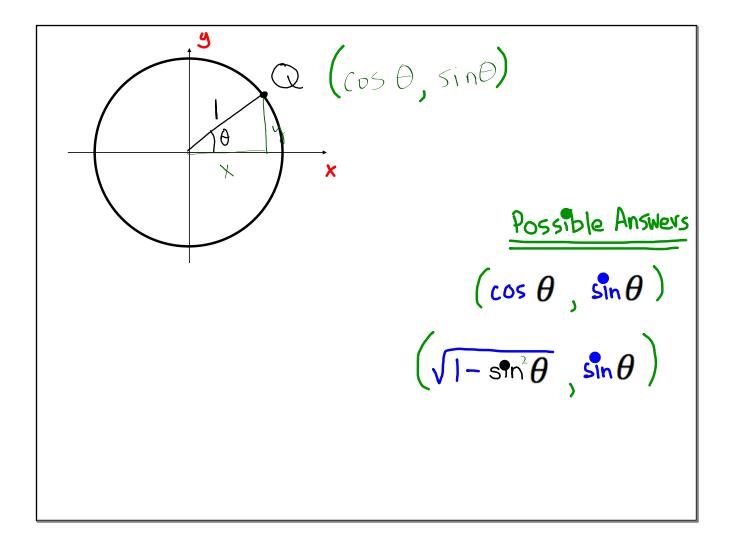
Find the coordinates accurate to 2 decimal places.

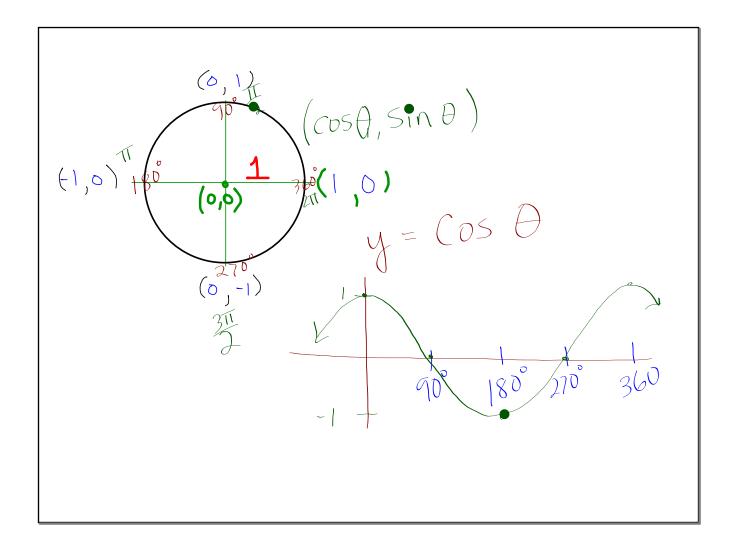


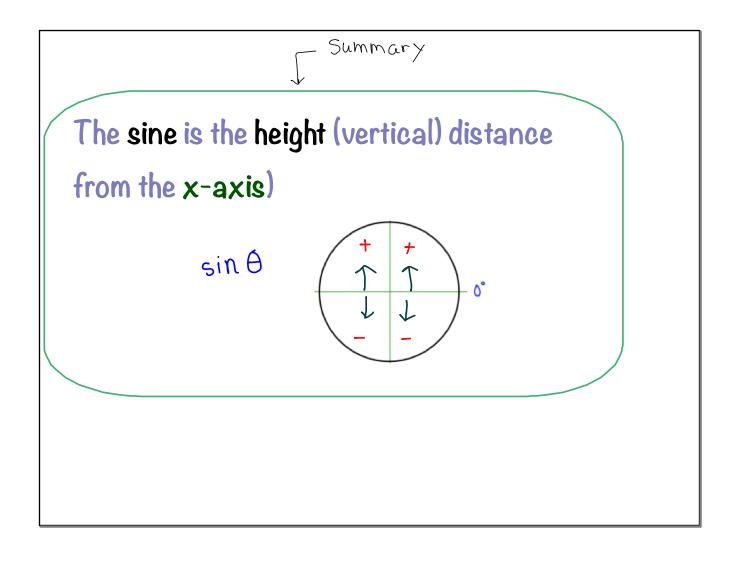




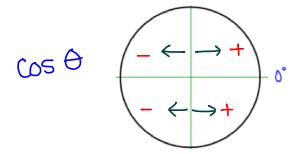


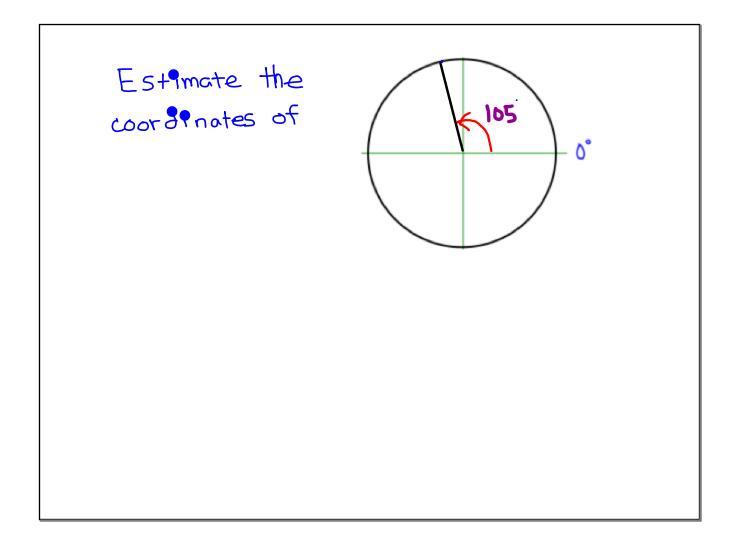


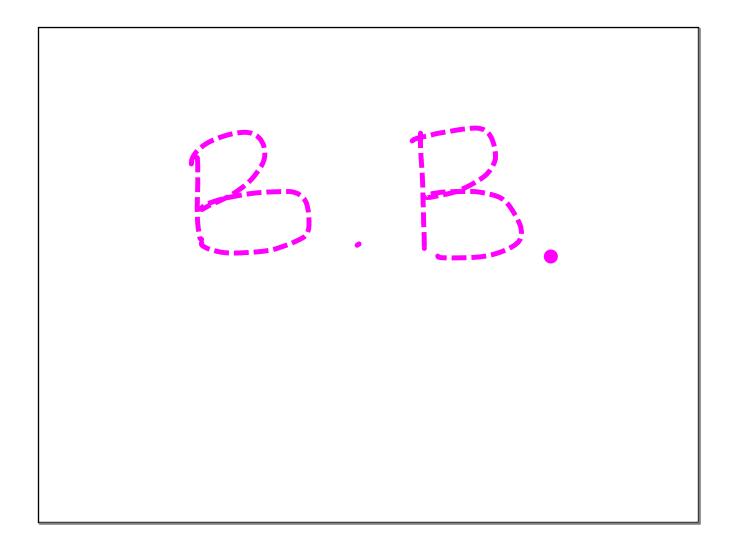




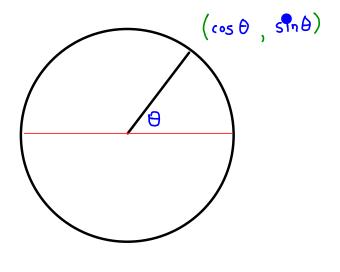
The cosine tells you about the horizontal distance from the y-axis.







The Pythagorean Identity

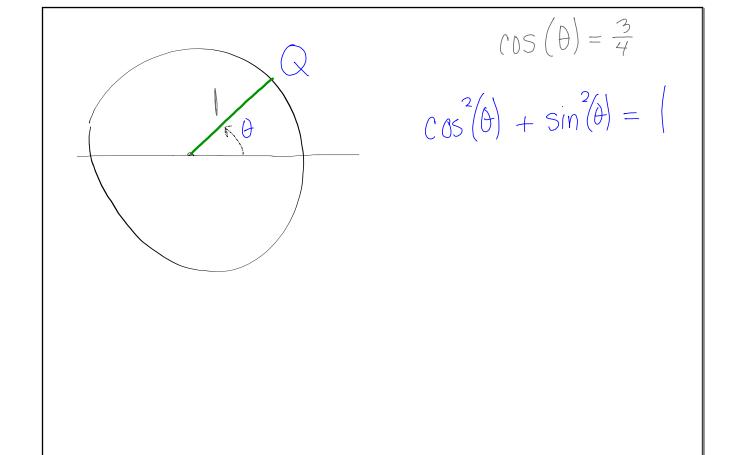


excercise Norc



an angle on a unit circle has a cosine ratio of $\frac{3}{4}$ what is the sine ratio ??

(and find the exact) coordinates of ()



LCQ

You may use GCD and Notes

Wednesday Assignment:

7....53-55, 58-60, 67