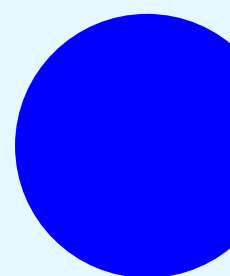
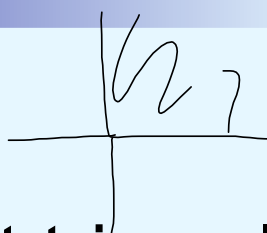


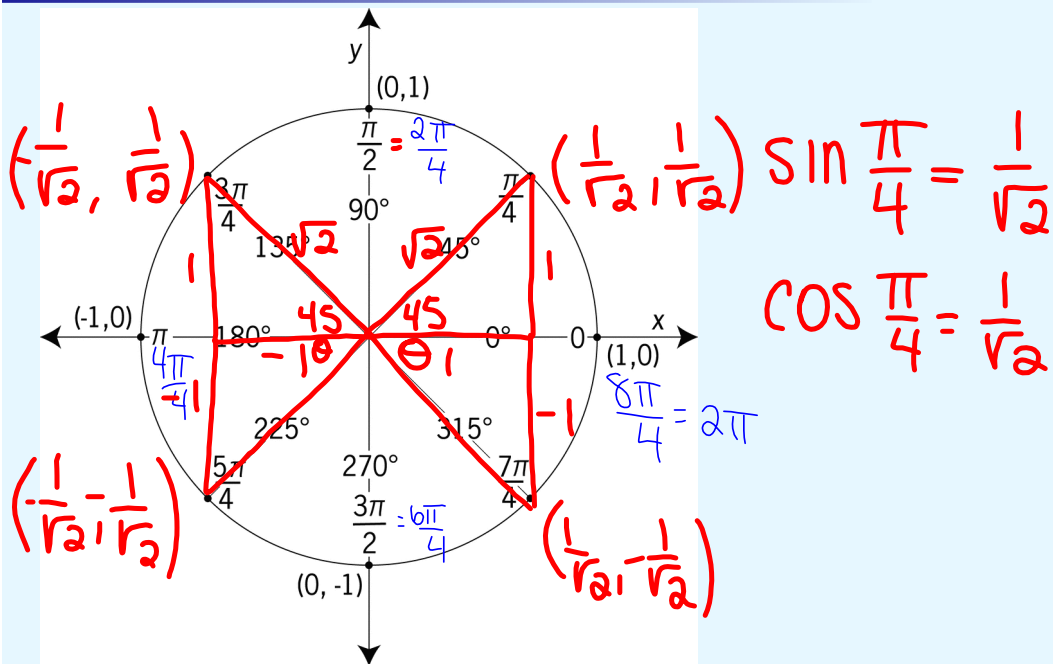
Trigonometry Unit

13.2 - 13.3

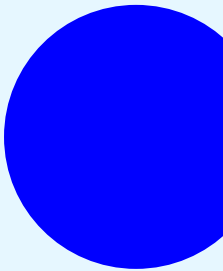
to find exact trig values of any
angle given in degrees or
radians



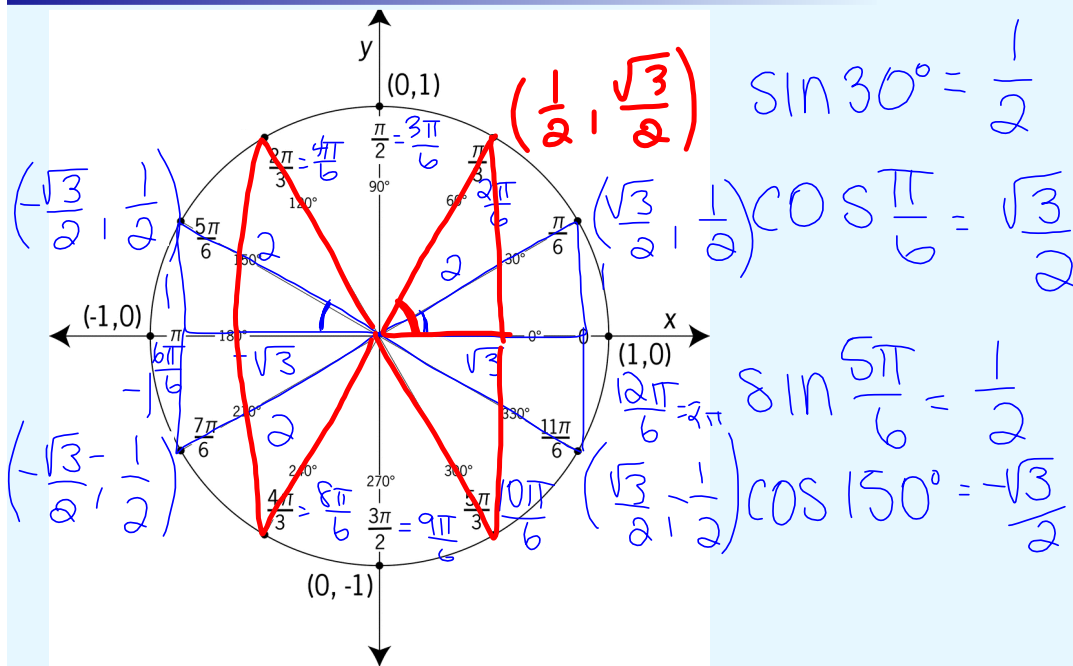
45° Increments



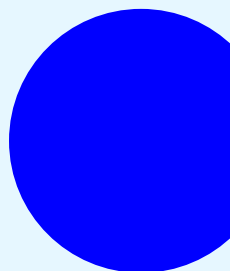
Pull



30° and 60° Increments

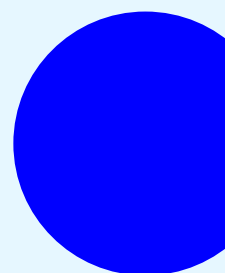


Pull



Radian Pattern

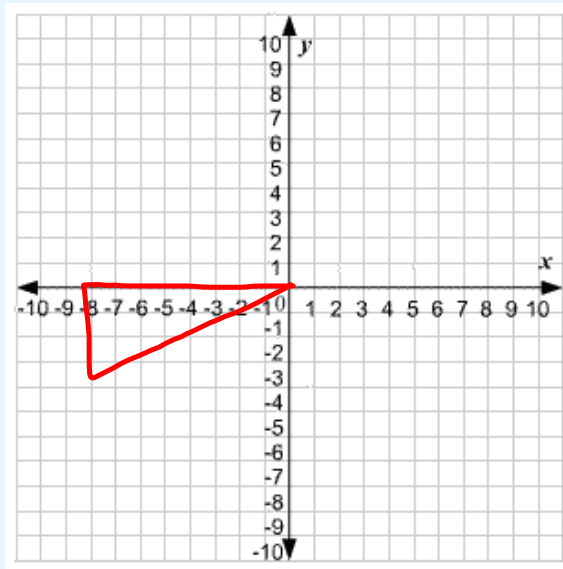
2nd Quadrant $(x-1)\pi / x$ Sin positive	1st Quadrant π / x All positive
3rd Quadrant $(x+1)\pi / x$ Tan positive	4th Quadrant $(2x-1)\pi / x$ Cos positive



.

Triangles

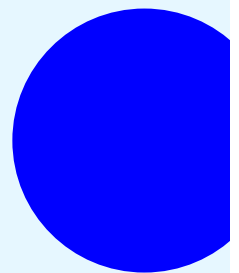
S



A

T

C



Examples

1 →

2 →

3 →

4 →

5 →

$$\sin \frac{5\pi}{6}$$

$$\cos 210^\circ$$

$$\tan \frac{11\pi}{6}$$

$$\cos -\frac{\pi}{3}$$

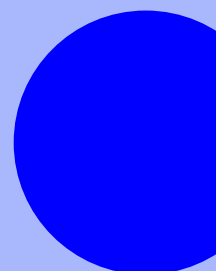
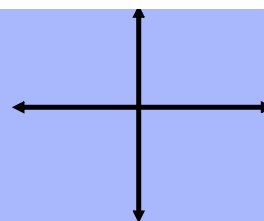
$$\sin 120^\circ$$

$$\tan 60^\circ$$

$$\cos \frac{5\pi}{4}$$

$$\tan \frac{3\pi}{4}$$

$$\sin 585^\circ$$



CLASSWORK/
HOMEWORK 13.3

WS#2 -

Pt 1 #3-19 odd (skip
11,13,15)

Pt 3 #3-19 odd (skip 7)

13.3 Radian Measure.gsp