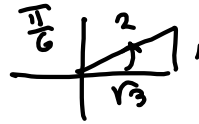
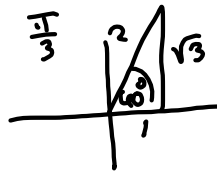


Draw me triangles on cartesian coords for:

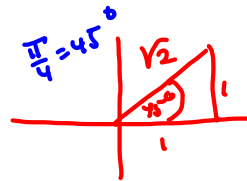
$\frac{\pi}{6} = 30^\circ$



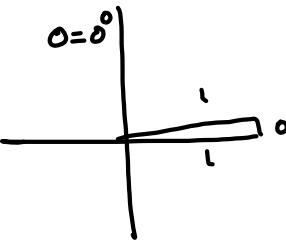
$\frac{\pi}{4} = 45^\circ$



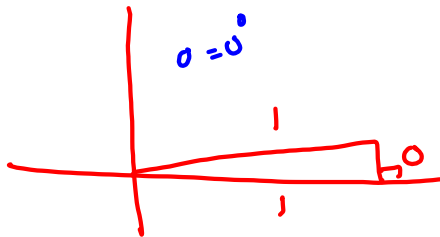
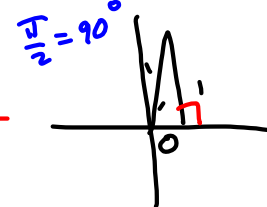
$\frac{\pi}{3} = 60^\circ$



$\frac{\pi}{2} = 90^\circ$

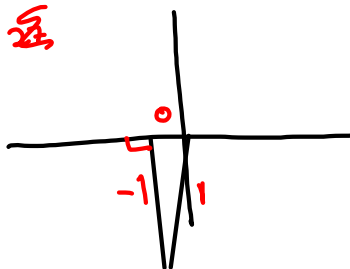


$0 = 0^\circ$



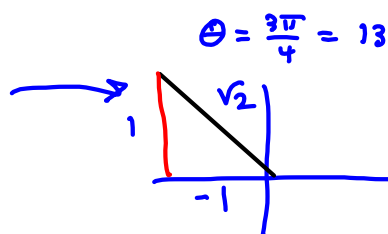
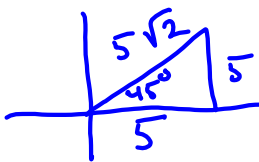
Quadrant angles  
"Degenerate Triangles"

$\theta = 270^\circ = \frac{3\pi}{2}$



$\frac{\pi \text{ rad}}{180^\circ}$

$\frac{180^\circ}{\pi \text{ rad}}$



$\theta = \frac{3\pi}{4} = 135^\circ$

Mnemonic  
sohcahtoa

$\sqrt{50}$

$2 \overline{) 50}$   
 $5 \overline{) 25}$   
 $5$

- 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37

$\int 1.4 \neq 1.6$

$\sqrt{50} = \sqrt{2 \cdot 5 \cdot 5}$   
 $\downarrow$   
 $5\sqrt{2}$