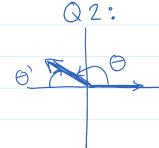
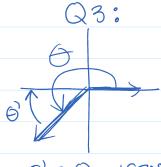
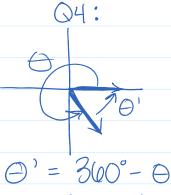
C.3 Notes (4.3 in bK): Ref Ls & the Unit Circle

Reference Angle: an acute angle formed by the terminal side of Θ and the closest x-axis.









$$\Theta' = 2\pi - \Theta$$





$$240 - 180 = 60$$



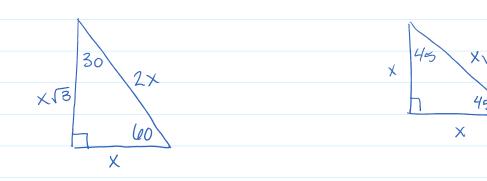






10°

Review of Special Right Ds



The Unit Circle: a circle $(x^2+y^2=r^2)$ graphed on the x,y plane w/a radius of 1 $(x^2+y^2=1)$ and uses properties of special right Δs

#2: Fill in the table



	30°	60°	45°
sin	1 2	\sqrt{3} 2	$\frac{1}{12} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{2}$
Cos	√3 2	<u></u>	$\frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{2}$
tan	13/3=3	V3	
10011	13 √3 - 3	1.5	

$$sin\theta = \frac{y}{r}$$
 $cos\theta = \frac{x}{r}$ $tan\theta = \frac{y}{x}$