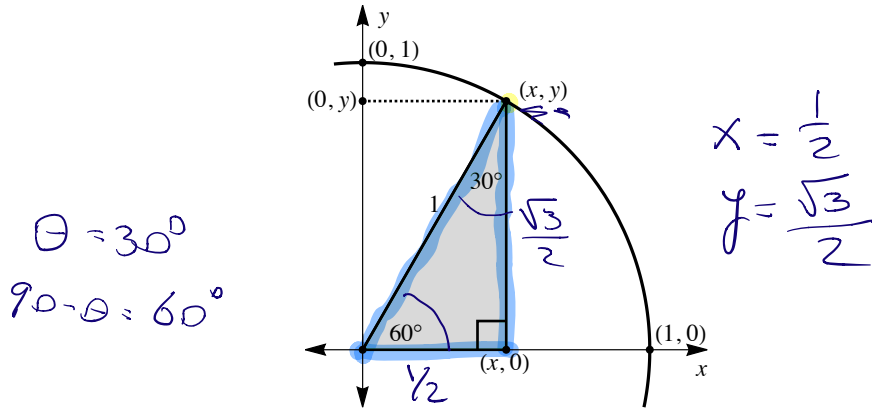
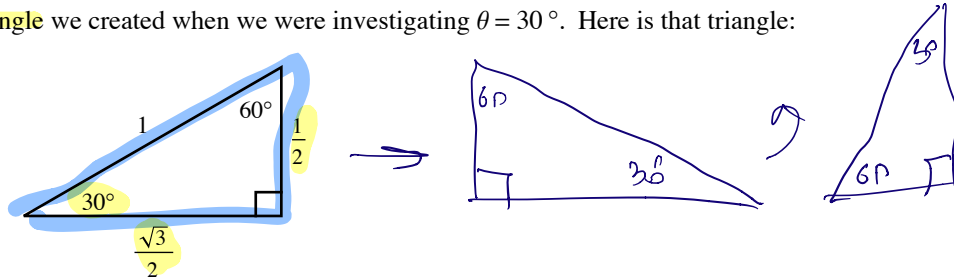


# Trigonometry 5: Points on the Unit Circle: $\theta = 60^\circ$

Here is (the first quadrant of the) unit circle with a radial line  $\theta = 60^\circ$ .



This the same 30-60-90 triangle we created when we were investigating  $\theta = 30^\circ$ . Here is that triangle:



By inspection, we can see that for  $\theta = 60^\circ$  the corresponding point on the unit circle is  $\left(\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$ :

