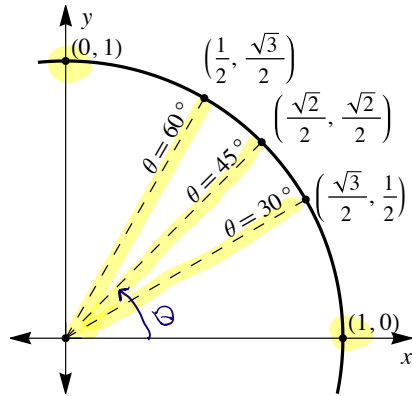
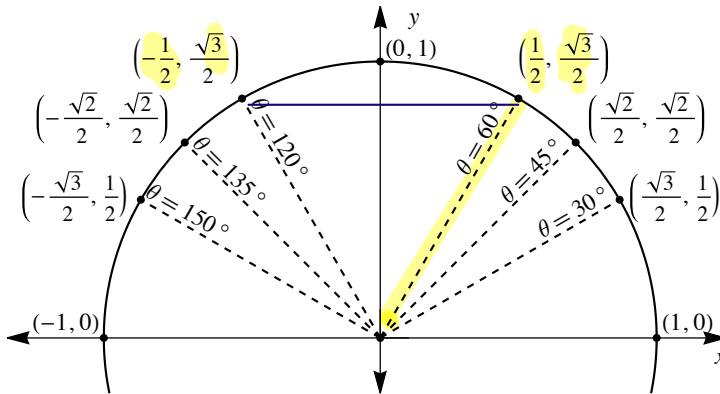


## Trigonometry 6: The Complete Unit Circle

Because a circle has symmetry, we can use reflection across the  $x$ - and  $y$ -axes to find more points on the Unit Circle without having to re-do all that work with the Pythagorean Theorem and geometry. Here is what we have determined so far:



Since reflection across the  $y$ -axis causes the  $x$  values to change sign, we can get 3 more points in Quadrant II:



And then we can reflect those 6 points into Quadrants III and IV by changing the sign of the  $y$ -values:

