



- 1) $\sin(\theta)$ This is the y coordinate of a point on a unit circle
- 2) $\cos(\theta)$ This is the x coordinate of a point on a unit circle
- 3) $\tan(\theta) = \frac{\sin(\theta)}{\cos(\theta)}$ Divide the y coordinate by the x coordinate of the point (as long as the denominator is not 0)
- 4) $\sec(\theta) = \frac{1}{\cos(\theta)}$ Divide 1 by the x coordinate of the point (as long as the denominator is not zero)
- 5) $\csc(\theta) = \frac{1}{\sin(\theta)}$ Divide 1 by the y coordinate of the point (as long as the denominator is not zero)
- 6) $\cot(\theta) = \frac{1}{\tan(\theta)} = \frac{\cos(\theta)}{\sin(\theta)}$ Divide the x coordinate of the point by the y coordinate of the point (as long as $\sin(\theta) \neq 0$)
- 7) Once you know $\sin(\theta)$ and $\cos(\theta)$ you can find the values of the other functions.