The Unit Circle

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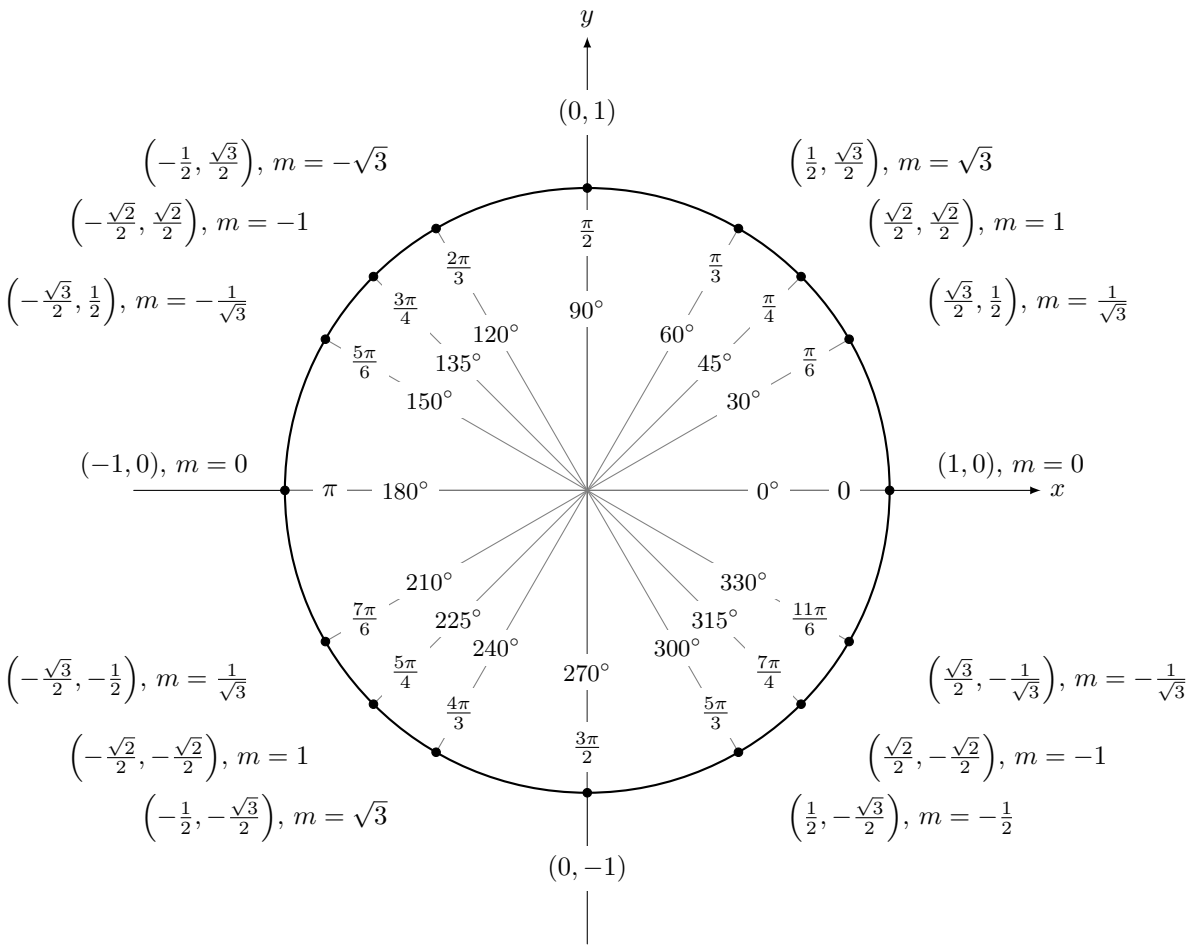
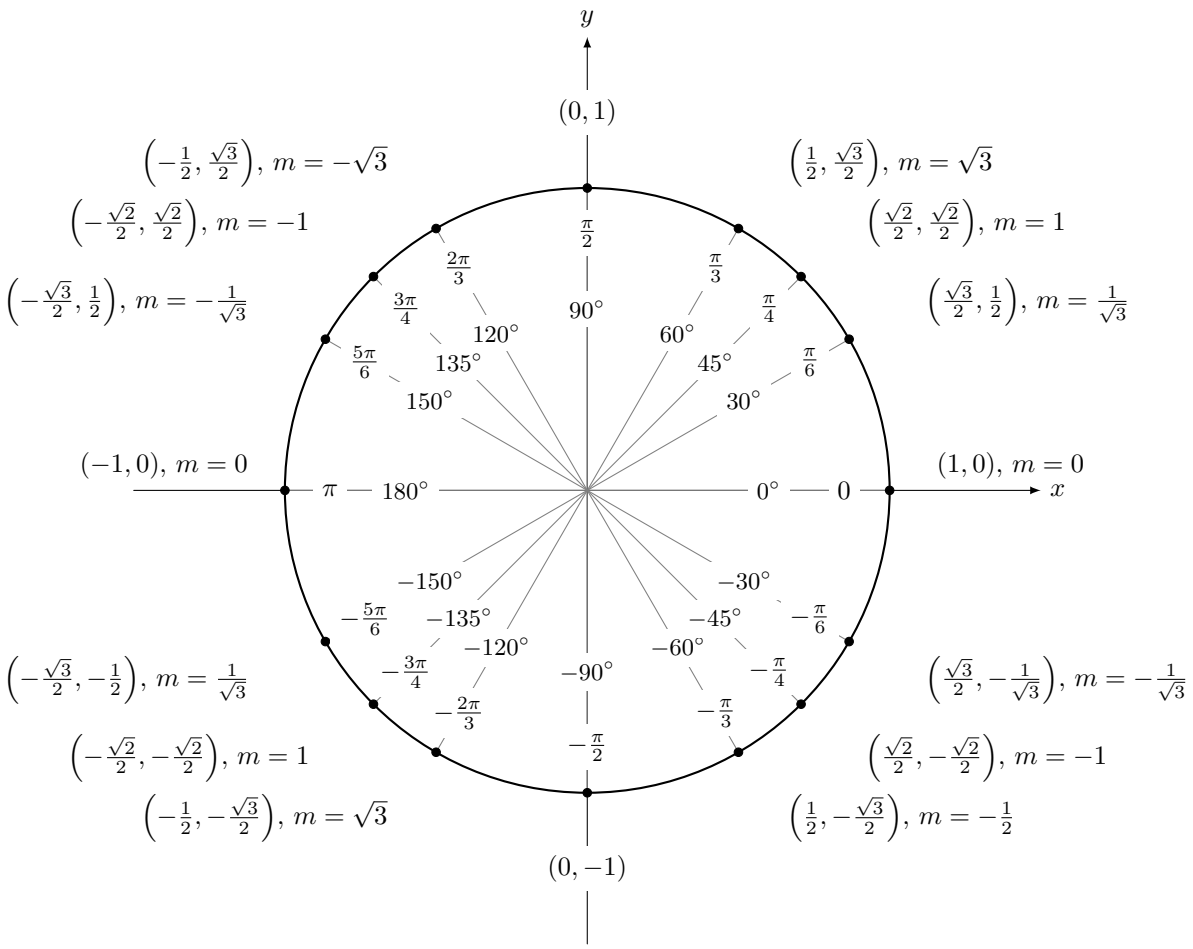
http://clontz.org



How to Use

- The unit circle traces the points (x, y) satisfying $x^2 + y^2 = 1$ by letting $x = \cos\theta$ and $y = \sin\theta$ for $0 \leq \theta \leq 2\pi$.
- The slope m of the non-vertical lines from the origin to each point is given by $m = \frac{y}{x} = \tan\theta$.



How to Use

- The unit circle traces the points (x,y) satisfying $x^2+y^2=1$ by letting $x=\cos\theta$ and $y=\sin\theta$ for $-\pi\leq\theta\leq\pi$.
- The slope m of the non-vertical lines from the origin to each point is given by $m=\frac{y}{x}=\tan\theta$.