

The Unit Circle

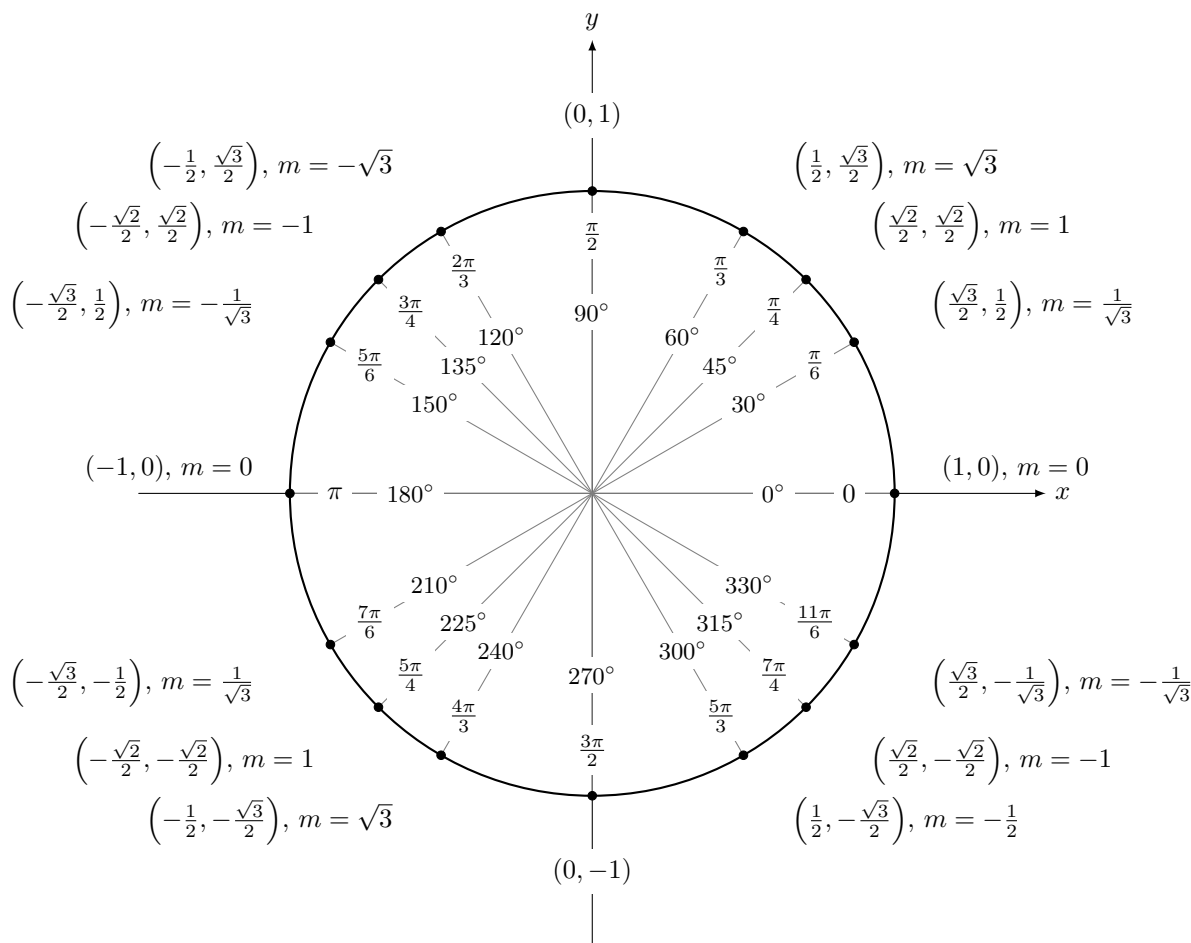
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Adapted from the original by Supreme Aryal at <http://www.texample.net/tikz/examples/unit-circle/>

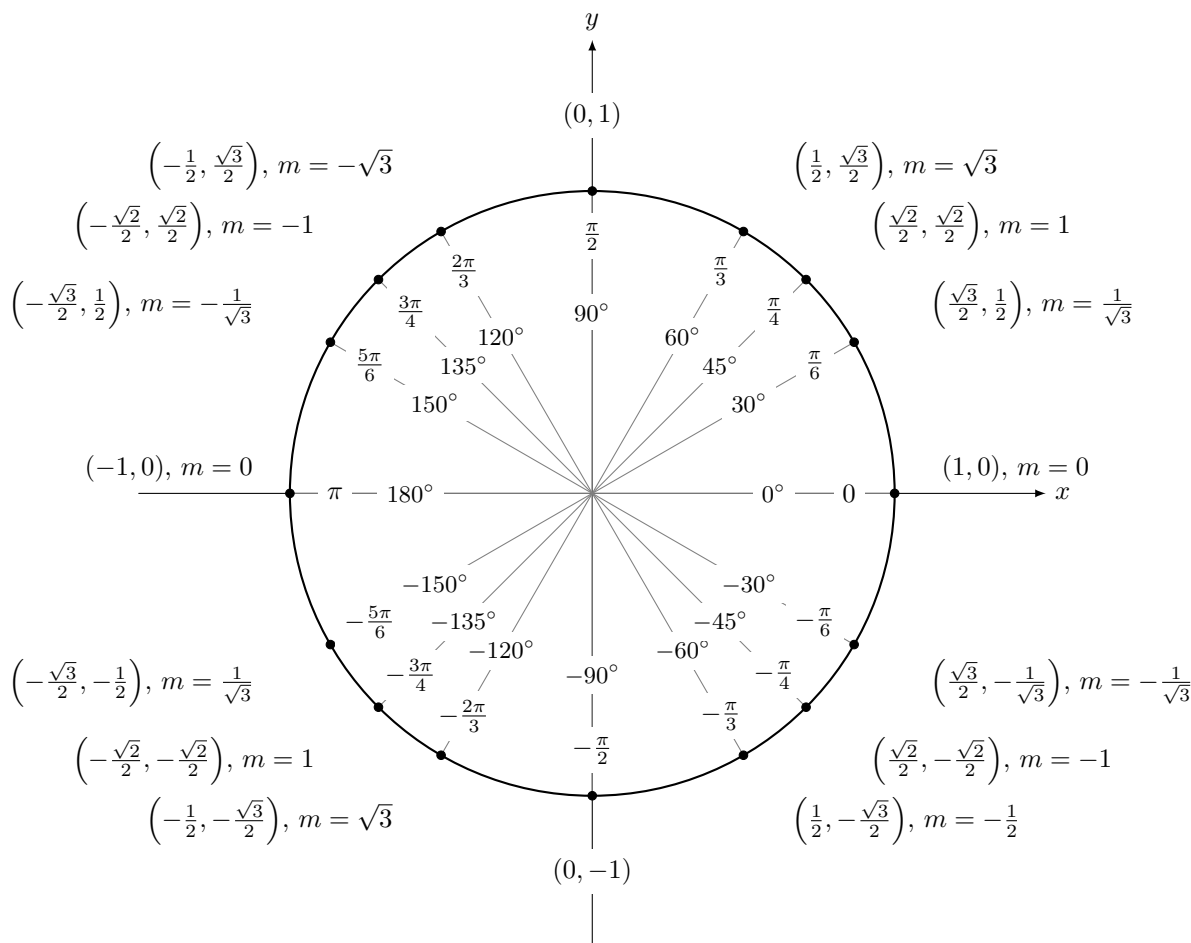
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How to Use

- 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 $m = \frac{y}{x} = \tan \theta$.