

- Notice tick marks cut each half into twelfths.
  Use these to count out degrees (360°/12) and radians (π/12).
- Try adding 180° or  $\pi$  half a rotation to go across the circle.
- Use the Pythagorean theorem to see the trig identity:

$$a^2 + b^2 = c^2 \blacktriangleright \sin^2 \theta + \cos^2 \theta = 1$$

• What do the dotted lines tell you?