



## Trigonometry, Unit Circle Pythagorean Identity - Cos/Sin to Identity (Degrees, Squared Notation)

<p>1</p>	<p>What does Pythagoras tell us about the X dimension of this triangle?</p> <p>A <math>(\cos(\theta))^2 = 1 - (\sin(\theta))^2</math></p> <p>B <math>(\cos(\theta))^2 = 1 + (\sin(\theta))^2</math></p>	<p>2</p>	<p>What does Pythagoras tell us about the Y dimension of this triangle?</p> <p>A <math>(\sin(\gamma))^2 = 1 + (\cos(\gamma))^2</math></p> <p>B <math>(\sin(\gamma))^2 = 1 - (\cos(\gamma))^2</math></p>
<p>3</p>	<p>What does Pythagoras tell us about the Y dimension of this triangle?</p> <p>A <math>(\sin(\beta))^2 = 1 - (\cos(\beta))^2</math></p> <p>B <math>(\sin(\beta))^2 = 1 + (\cos(\beta))^2</math></p>	<p>4</p>	<p>What does Pythagoras tell us about the X dimension of this triangle?</p> <p>A <math>\cos(\beta) = \sqrt{1 - (\sin(\beta))^2}</math></p> <p>B <math>\cos(\beta) = \sqrt{(\sin(\beta))^2 + 1}</math></p>
<p>5</p>	<p>What does Pythagoras tell us about the X dimension of this triangle?</p> <p>A <math>\cos(\theta) = \sqrt{(\sin(\theta))^2 + 1}</math></p> <p>B <math>\cos(\theta) = \sqrt{1 - (\sin(\theta))^2}</math></p>	<p>6</p>	<p>What does Pythagoras tell us about the Y dimension of this triangle?</p> <p>A <math>\sin(\theta) = \sqrt{(\cos(\theta))^2 + 1}</math></p> <p>B <math>\sin(\theta) = \sqrt{1 - (\cos(\theta))^2}</math></p>
<p>7</p>	<p>What does Pythagoras tell us about the X dimension of this triangle?</p> <p>A <math>(\cos(\beta))^2 = 1 - (\sin(\beta))^2</math></p> <p>B <math>(\cos(\beta))^2 = 1 + (\sin(\beta))^2</math></p>	<p>8</p>	<p>What does Pythagoras tell us about the X dimension of this triangle?</p> <p>A <math>\cos(\alpha) = \sqrt{1 - (\sin(\alpha))^2}</math></p> <p>B <math>\cos(\alpha) = \sqrt{(\sin(\alpha))^2 + 1}</math></p>