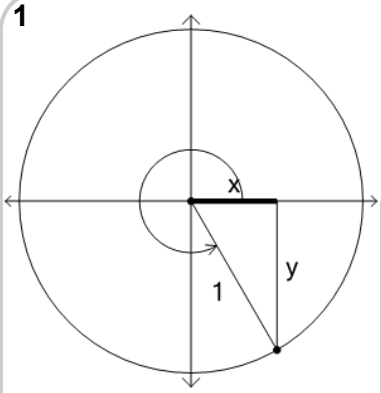
Name

Trigonometry, Unit Circle Pythagorean Identity - X,Y to X,Y Identity

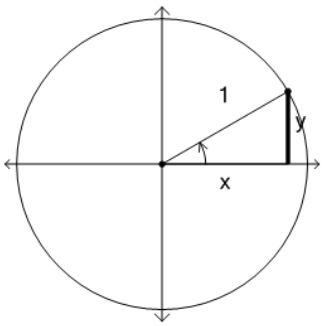
1



What does Pythagoras tell us about the X dimension of this triangle?

A	B
$x^2 = 1 - y^2$	$x^2 = 1 + y^2$

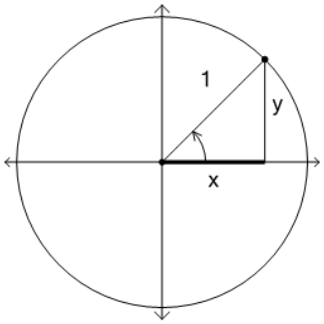
2



What does Pythagoras tell us about the Y dimension of this triangle?

A	B
$y^2 = 1 - x^2$	$y^2 = 1 + x^2$

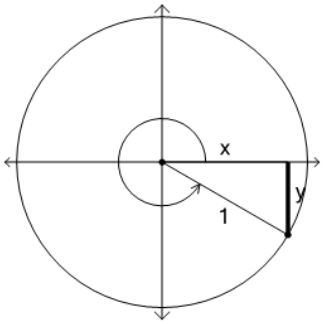
3



What does Pythagoras tell us about the X dimension of this triangle?

A	B
$x = \sqrt{1 - y^2}$	$x = \sqrt{y^2 + 1}$

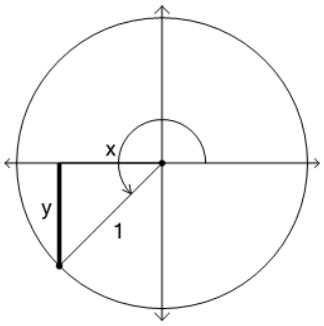
4



What does Pythagoras tell us about the Y dimension of this triangle?

A	B
$y = \sqrt{x^2 + 1}$	$y = \sqrt{1 - x^2}$

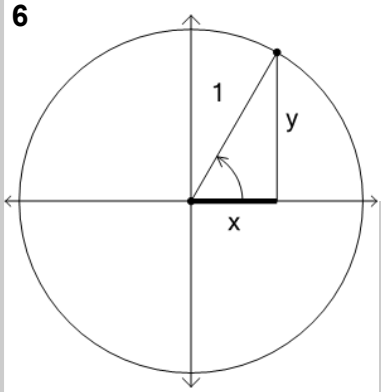
5



What does Pythagoras tell us about the Y dimension of this triangle?

A	B
$y = \sqrt{x^2 + 1}$	$y = \sqrt{1 - x^2}$

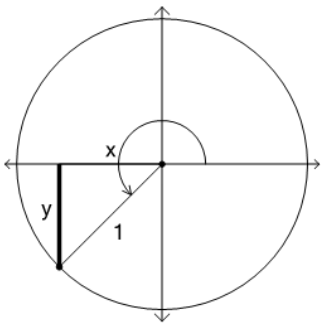
6



What does Pythagoras tell us about the X dimension of this triangle?

A	B
$x = \sqrt{y^2 + 1}$	$x = \sqrt{1 - y^2}$

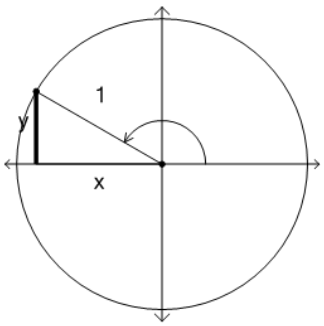
7



What does Pythagoras tell us about the Y dimension of this triangle?

A	B
$y^2 = 1 + x^2$	$y^2 = 1 - x^2$

8



What does Pythagoras tell us about the Y dimension of this triangle?

A	B
$y^2 = 1 + x^2$	$y^2 = 1 - x^2$