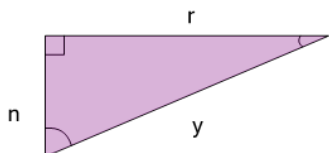




## Pythagorean Theorem - Variable-Named Sides to Square Root Equation

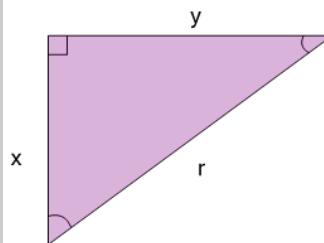
1



Find the length of the side y as an equation based on the Pythagorean theorem

A	B
$y = \sqrt{n^2 - r^2}$	$y = \sqrt{n^2 + r^2}$

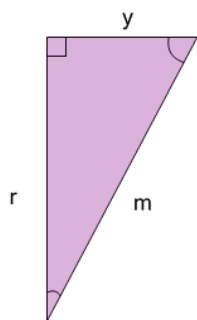
2



Find the length of the side r as an equation based on the Pythagorean theorem

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

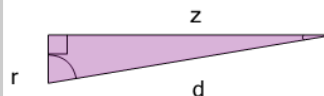
3



Find the length of the side r as an equation based on the Pythagorean theorem

A	B
$r = \sqrt{m^2 + y^2}$	$r = \sqrt{m^2 - y^2}$

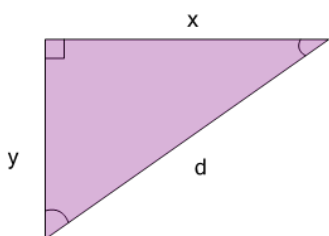
4



Find the length of the side d as an equation based on the Pythagorean theorem

A	B
$d = \sqrt{r^2 + z^2}$	$d = \sqrt{r^2 - z^2}$

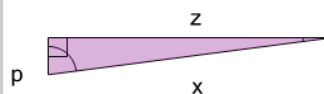
5



Find the length of the side x as an equation based on the Pythagorean theorem

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

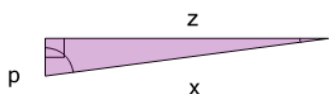
6



Find the length of the side x as an equation based on the Pythagorean theorem

A	B
$x = \sqrt{p^2 + z^2}$	$x = \sqrt{p^2 - z^2}$

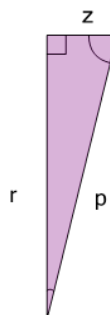
7



Find the length of the side x as an equation based on the Pythagorean theorem

A	B
$x = \sqrt{p^2 - z^2}$	$x = \sqrt{p^2 + z^2}$

8



Find the length of the side p as an equation based on the Pythagorean theorem

A	B
$p = \sqrt{r^2 - z^2}$	$p = \sqrt{r^2 + z^2}$