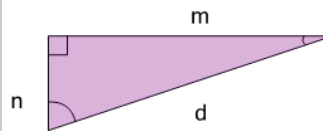




Math worksheet on 'Pythagorean Theorem - Variable-Named Sides to Square Root Equation (Level 1)'. Part of a broader unit on 'Pythagoras - Intro'

Learn online: app.mobius.academy/math/units/pythagoras_intro/

1



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

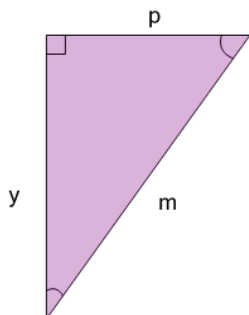
a

$$d = \sqrt{n^2 + m^2}$$

b

$$d = \sqrt{n^2 - m^2}$$

2



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

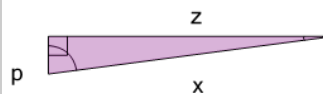
a

$$p = \sqrt{m^2 + y^2}$$

b

$$p = \sqrt{m^2 - y^2}$$

3



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

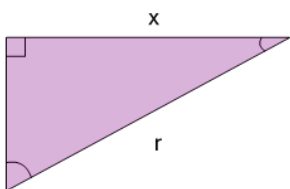
a

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

b

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

4



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

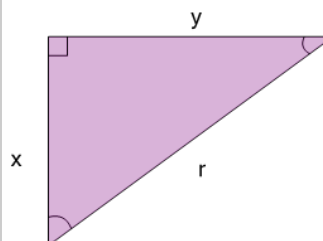
a

$$r = \sqrt{p^2 + x^2}$$

b

$$r = \sqrt{p^2 - x^2}$$

5



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

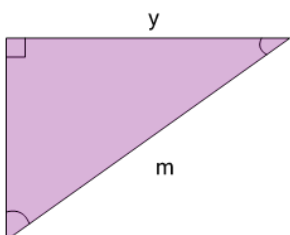
a

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

b

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

6



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

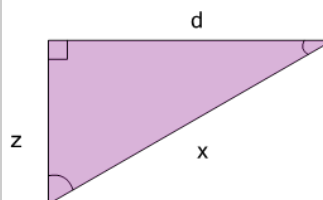
a

$$m = \sqrt{d^2 - y^2}$$

b

$$m = \sqrt{d^2 + y^2}$$

7



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

a

$$d = \sqrt{x^2 + z^2}$$

b

$$d = \sqrt{x^2 - z^2}$$