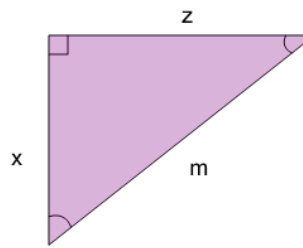




Math worksheet on 'Pythagorean Theorem - Variable-Named Sides to Square Equation (Level 1)'. Part of a broader unit on 'Pythagoras - Intro'

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

1



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

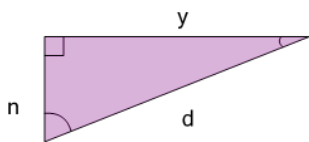
a

$$m^2 = x^2 + z^2$$

b

$$m^2 = x^2 - z^2$$

2



Find the square of side n as an equation based on the Pythagorean theorem

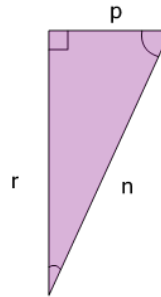
a

$$n^2 = d^2 + y^2$$

b

$$n^2 = d^2 - y^2$$

3



Find the square of side n as an equation based on the Pythagorean theorem

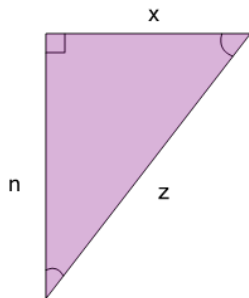
a

$$n^2 = r^2 - p^2$$

b

$$n^2 = r^2 + p^2$$

4



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

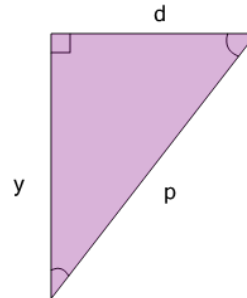
a

$$x^2 = z^2 + n^2$$

b

$$x^2 = z^2 - n^2$$

5



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

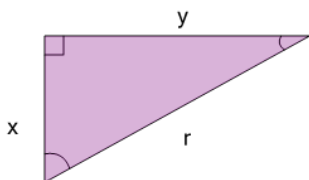
a

$$p^2 = y^2 + d^2$$

b

$$p^2 = y^2 - d^2$$

6



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

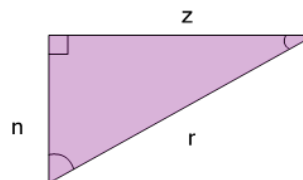
a

$$y^2 = r^2 + x^2$$

b

$$y^2 = r^2 - x^2$$

7



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

a

$$r^2 = n^2 + z^2$$

b

$$r^2 = n^2 - z^2$$