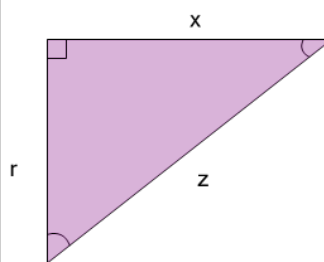




Math worksheet on 'Pythagorean Theorem - Variable-Named Sides to Square Equation (Level 1)'. Part of a broader unit on 'Pythagoras - Intro'

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

1



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

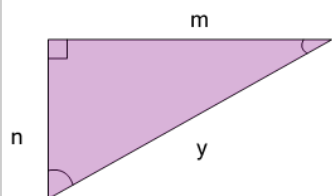
a

$$z^2 = r^2 + x^2$$

b

$$z^2 = r^2 - x^2$$

2



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

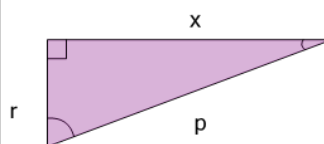
a

$$n^2 = y^2 + m^2$$

b

$$n^2 = y^2 - m^2$$

3



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

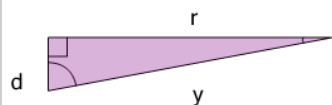
a

$$p^2 = r^2 - x^2$$

b

$$p^2 = r^2 + x^2$$

4



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

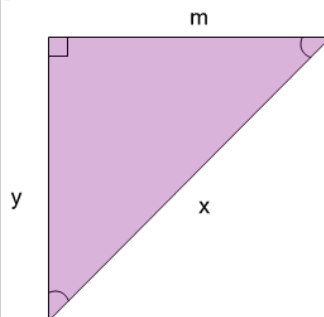
a

$$y^2 = d^2 - r^2$$

b

$$y^2 = d^2 + r^2$$

5



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

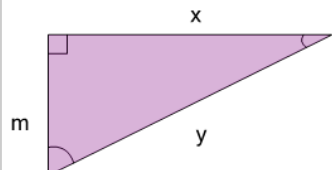
a

$$y^2 = x^2 + m^2$$

b

$$y^2 = x^2 - m^2$$

6



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

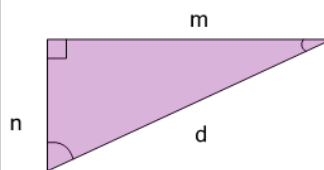
a

$$x^2 = y^2 - m^2$$

b

$$x^2 = y^2 + m^2$$

7



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

a

$$d^2 = n^2 + m^2$$

b

$$d^2 = n^2 - m^2$$