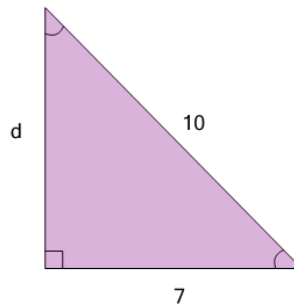




Math worksheet on 'Pythagorean Theorem - Either Missing Length (Equation) (Level 1)'. Part of a broader unit on 'Pythagoras - Practice'

Learn online: [app.mobius.academy/math/units/pythagoras\\_practice/](http://app.mobius.academy/math/units/pythagoras_practice/)

**1** Find the length of the missing side as an equation based on the Pythagorean theorem



**a**

$$d = 7^2 + 10^2$$

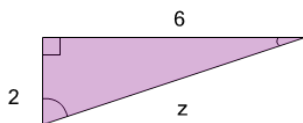
**b**

$$d = \sqrt{10^2 - 7^2}$$

**c**

$$d = 7^2 - 10^2$$

**2** Find the length of the missing side as an equation based on the Pythagorean theorem



**a**

$$z = \sqrt{2^2 + 6^2}$$

**b**

$$z = 2^2 + 6^2$$

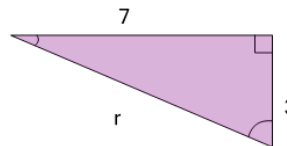
**c**

$$z = 2^2 - 6^2$$

**d**

$$z = \sqrt{2^2 + 6^2}$$

**3** Find the length of the missing side as an equation based on the Pythagorean theorem



**a**

$$r = \sqrt{3^2 - 7^2}$$

**b**

$$r = \sqrt{7^2 + 3^2}$$

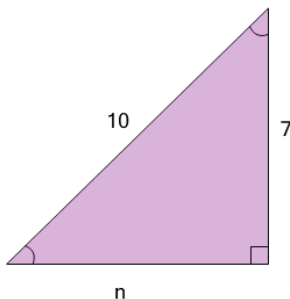
**c**

$$r = 7^2 + 3^2$$

**d**

$$r = 7^2 - 3^2$$

**4** Find the length of the missing side as an equation based on the Pythagorean theorem



**a**

$$n = \sqrt{7^2 - 10^2}$$

**b**

$$n = 7^2 - 10^2$$

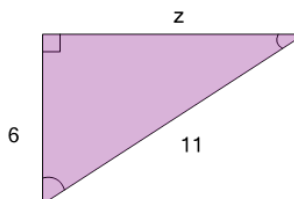
**c**

$$n = \sqrt{10^2 - 7^2}$$

**d**

$$n = 7^2 + 10^2$$

**5** Find the length of the missing side as an equation based on the Pythagorean theorem



**a**

$$z = \sqrt{11^2 - 6^2}$$

**b**

$$z = \sqrt{11^2 + 6^2}$$

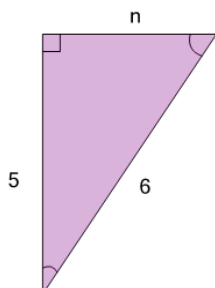
**c**

$$z = 6^2 - 11^2$$

**d**

$$z = 6^2 + 11^2$$

**6** Find the length of the missing side as an equation based on the Pythagorean theorem



**a**

$$n = 5^2 + 6^2$$

**b**

$$n = 5^2 - 6^2$$

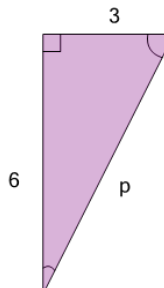
**c**

$$n = \sqrt{6^2 - 5^2}$$

**d**

$$n = \sqrt{6^2 + 5^2}$$

**7** Find the length of the missing side as an equation based on the Pythagorean theorem



**a**

$$p = \sqrt{3^2 - 6^2}$$

**b**

$$p = 6^2 - 3^2$$

**c**

$$p = 6^2 + 3^2$$

**d**

$$p = \sqrt{6^2 + 3^2}$$