



Math worksheet on 'Pythagorean Equation from Variables - Length of Hypotenuse (Integer) (Level 2)'. Part of a broader unit on 'Pythagoras - Foundations'

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1 Find the value of 'c' in this equation

$$a^2 + b^2 = c^2$$

$$a = 9$$

$$b = 12$$

$$c = ?$$

a

$$c = 17$$

b

$$c = 18$$

c

$$c = 21$$

d

$$c = 8$$

e

$$c = 15$$

f

$$c = 12$$

2 Find the value of 'c' in this equation

$$a^2 + b^2 = c^2$$

$$a = 12$$

$$b = 16$$

$$c = ?$$

a

$$c = 11$$

b

$$c = 20$$

c

$$c = 16$$

d

$$c = 21$$

e

$$c = 18$$

f

$$c = 28$$

3 Find the value of 'c' in this equation

$$a^2 + b^2 = c^2$$

$$a = 3$$

$$b = 4$$

$$c = ?$$

a

$$c = 5$$

b

$$c = 2$$

c

$$c = 8$$

d

$$c = 6$$

e

$$c = 4$$

f

$$c = 12$$

4 Find the value of 'c' in this equation

$$a^2 + b^2 = c^2$$

$$a = 5$$

$$b = 12$$

$$c = ?$$

a

$$c = 10$$

b

$$c = 15$$

c

$$c = 11$$

d

$$c = 13$$

e

$$c = 16$$

f

$$c = 14$$

5 Find the value of 'c' in this equation

$$a^2 + b^2 = c^2$$

$$a = 4$$

$$b = 3$$

$$c = ?$$

a

$$c = 5$$

b

$$c = 4$$

c

$$c = 2$$

d

$$c = 7$$

e

$$c = 12$$

f

$$c = 6$$

6 Find the value of 'c' in this equation

$$a^2 + b^2 = c^2$$

$$a = 6$$

$$b = 8$$

$$c = ?$$

a

$$c = 10$$

b

$$c = 13$$

c

$$c = 11$$

d

$$c = 12$$

e

$$c = 7$$

f

$$c = 5$$

7 Find the value of 'c' in this equation

$$a^2 + b^2 = c^2$$

$$a = 16$$

$$b = 12$$

$$c = ?$$

a

$$c = 20$$

b

$$c = 11$$

c

$$c = 17$$

d

$$c = 21$$

e

$$c = 16$$

f

$$c = 23$$