



Math worksheet on 'Pythagorean Equation from Variables - Either Missing Length (Integer) (Level 1)'.  
Part of a broader unit on 'Pythagorean Theorem with Decimals - Intro'

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**1** Find the value of 'c' in this equation

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

$$a = 12$$

$$b = 5$$

$$c = ?$$

<b>a</b> c = 9	<b>b</b> c = 16
<b>c</b> c = 13	<b>d</b> c = 11
<b>e</b> c = 10	<b>f</b> c = 14

**2** Find the value of 'c' in this equation

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

$$a = 3$$

$$b = 4$$

$$c = ?$$

<b>a</b> c = 1	<b>b</b> c = 5
<b>c</b> c = 7	<b>d</b> c = 2
<b>e</b> c = 4	<b>f</b> c = 12

**3** Find the value of 'c' in this equation

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

$$a = 8$$

$$b = 6$$

$$c = ?$$

<b>a</b> c = 14	<b>b</b> c = 6
<b>c</b> c = 8	<b>d</b> c = 12
<b>e</b> c = 10	<b>f</b> c = 7

**4** Find the value of 'b' in this equation

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

$$a = 4$$

$$b = ?$$

$$c = 5$$

<b>a</b> b = 7	<b>b</b> b = 6	<b>c</b> b = 3
<b>d</b> b = 2	<b>e</b> b = 9	<b>f</b> b = 4

**5** Find the value of 'c' in this equation

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

$$a = 4$$

$$b = 3$$

$$c = ?$$

<b>a</b> c = 8	<b>b</b> c = 5
<b>c</b> c = 1	<b>d</b> c = 12
<b>e</b> c = 7	<b>f</b> c = 4

**6** Find the value of 'a' in this equation

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

$$a = ?$$

$$b = 3$$

$$c = 5$$

<b>a</b> a = 2	<b>b</b> a = 1
<b>c</b> a = 15	<b>d</b> a = 6
<b>e</b> a = 5	<b>f</b> a = 4

**7** Find the value of 'a' in this equation

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

$$a = ?$$

$$b = 8$$

$$c = 10$$

<b>a</b> a = 8	<b>b</b> a = 18
<b>c</b> a = 7	<b>d</b> a = 10
<b>e</b> a = 6	<b>f</b> a = 3