



Math worksheet on 'Pythagorean Equation from Variables - Either Missing Length (Squared Values) (Level 1)'. Part of a broader unit on 'Pythagoras - Foundations'

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1 Find what the square of 'b' would be equal to

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

$$a = 4$$

$$b = ?$$

$$c = 6$$

a $b^2 = 7$	b $b^2 = 576$
c $b^2 = 12$	d $b^2 = 20$
e $b^2 = 100$	f $b^2 = 42$

2 Find what the square of 'c' would be equal to

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

$$a = 6$$

$$b = 3$$

$$c = ?$$

a $c^2 = 70$	b $c^2 = 81$
c $c^2 = 45$	d $c^2 = 101$
e $c^2 = 25$	f $c^2 = 27$

3 Find what the square of 'a' would be equal to

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

$$a = ?$$

$$b = 3$$

$$c = 9$$

a $a^2 = 144$	b $a^2 = 46$
c $a^2 = 20$	d $a^2 = 141$
e $a^2 = 72$	f $a^2 = 104$

4 Find what the square of 'b' would be equal to

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

$$a = 4$$

$$b = ?$$

$$c = 5$$

a $b^2 = 13$	b $b^2 = 21$	c $b^2 = 9$
d $b^2 = 18$	e $b^2 = 15$	f $b^2 = 81$

5 Find what the square of 'c' would be equal to

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

$$a = 2$$

$$b = 2$$

$$c = ?$$

a $c^2 = 4$	b $c^2 = 20$	c $c^2 = 1$
d $c^2 = 8$	e $c^2 = 13$	f $c^2 = 16$

6 Find what the square of 'b' would be equal to

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

$$a = 3$$

$$b = ?$$

$$c = 5$$

a $b^2 = 1$	b $b^2 = 9$
c $b^2 = 6$	d $b^2 = 64$
e $b^2 = 225$	f $b^2 = 16$

7 Find what the square of 'a' would be equal to

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

$$a = ?$$

$$b = 4$$

$$c = 9$$

a $a^2 = 1,296$	b $a^2 = 32$
c $a^2 = 82$	d $a^2 = 110$
e $a^2 = 65$	f $a^2 = 169$