



Math worksheet on 'Pythagorean Equation from Variables - Length of Side (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

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

$$a = 3$$

$$b = ?$$

$$c = 6$$

a $b^2 = 33$	b $b^2 = 52$	c $b^2 = 13$
d $b^2 = 1$	e $b^2 = 27$	f $b^2 = 81$

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

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

$$a = ?$$

$$b = 4$$

$$c = 7$$

a $a^2 = 27$	b $a^2 = 16$	c $a^2 = 3$
d $a^2 = 45$	e $a^2 = 33$	f $a^2 = 14$

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

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

$$a = ?$$

$$b = 4$$

$$c = 8$$

a $a^2 = 12$	b $a^2 = 48$
c $a^2 = 35$	d $a^2 = 24$
e $a^2 = 144$	f $a^2 = 4$

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

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

$$a = ?$$

$$b = 4$$

$$c = 9$$

a $a^2 = 127$	b $a^2 = 16$
c $a^2 = 77$	d $a^2 = 65$
e $a^2 = 17$	f $a^2 = 1,296$

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

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

$$a = 4$$

$$b = ?$$

$$c = 9$$

a $b^2 = 53$	b $b^2 = 65$
c $b^2 = 77$	d $b^2 = 17$
e $b^2 = 122$	f $b^2 = 110$

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

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

$$a = ?$$

$$b = 2$$

$$c = 6$$

a $a^2 = 20$	b $a^2 = 39$
c $a^2 = 7$	d $a^2 = 144$
e $a^2 = 32$	f $a^2 = 8$

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

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

$$a = ?$$

$$b = 4$$

$$c = 5$$

a $a^2 = 400$	b $a^2 = 1$
c $a^2 = 21$	d $a^2 = 16$
e $a^2 = 9$	f $a^2 = 6$