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

$$a^2 + b^2 = c^2$$
$$a = 3$$
$$b = ?$$
$$c = 8$$

a $b^2 = 55$	**b** $b^2 = 67$	
c $b^2 = 6$	**d** $b^2 = 61$	
e $b^2 = 576$	**f** $b^2 = 27$	

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

$$a^2 + b^2 = c^2$$
$$a = 3$$
$$b = ?$$
$$c = 7$$

a $b^2 = 68$	**b** $b^2 = 69$	**c** $b^2 = 2$
d $b^2 = 40$	**e** $b^2 = 10$	**f** $b^2 = 5$

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

$$a^2 + b^2 = c^2$$
$$a = 3$$
$$b = ?$$
$$c = 9$$

a $b^2 = 144$	**b** $b^2 = 72$	
c $b^2 = 110$	**d** $b^2 = 729$	
e $b^2 = 78$	**f** $b^2 = 30$	

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

$$a^2 + b^2 = c^2$$
$$a = 4$$
$$b = ?$$
$$c = 8$$

a $b^2 = 1,024$	**b** $b^2 = 119$	
c $b^2 = 144$	**d** $b^2 = 48$	
e $b^2 = 15$	**f** $b^2 = 4$	

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

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 2$$
$$c = 4$$

a $a^2 = 3$	**b** $a^2 = 2$	**c** $a^2 = 12$
d $a^2 = 8$	**e** $a^2 = 24$	**f** $a^2 = 14$

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

$$a^2 + b^2 = c^2$$
$$a = 5$$
$$b = ?$$
$$c = 6$$

a $b^2 = 5$	**b** $b^2 = 54$	
c $b^2 = 11$	**d** $b^2 = 19$	
e $b^2 = 1$	**f** $b^2 = 900$	

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

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 4$$
$$c = 7$$

a $a^2 = 33$	**b** $a^2 = 121$	
c $a^2 = 45$	**d** $a^2 = 21$	
e $a^2 = 48$	**f** $a^2 = 56$	