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

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1 Find the value of 'a' in this equation

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 3$$
$$c = 5$$

a a = 5	**b** a = 6
c a = 3	**d** a = 4
e a = 15	**f** a = 2

2 Find the value of 'b' in this equation

$$a^2 + b^2 = c^2$$
$$a = 12$$
$$b = ?$$
$$c = 15$$

a b = 5	**b** b = 180
c b = 4	**d** b = 10
e b = 11	**f** b = 9

3 Find the value of 'a' in this equation

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 16$$
$$c = 20$$

a a = 9	**b** a = 12
c a = 16	**d** a = 13
e a = 10	**f** a = 11

4 Find the value of 'b' in this equation

$$a^2 + b^2 = c^2$$
$$a = 9$$
$$b = ?$$
$$c = 15$$

a b = 10	**b** b = 7
c b = 16	**d** b = 13
e b = 12	**f** b = 15

5 Find the value of 'a' in this equation

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 12$$
$$c = 13$$

a a = 13	**b** a = 7
c a = 4	**d** a = 25
e a = 9	**f** a = 5

6 Find the value of 'b' in this equation

$$a^2 + b^2 = c^2$$
$$a = 3$$
$$b = ?$$
$$c = 5$$

a b = 4	**b** b = 8
c b = 3	**d** b = 5
e b = 15	**f** b = 2

7 Find the value of 'a' in this equation

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 9$$
$$c = 15$$

a a = 14	**b** a = 12
c a = 17	**d** a = 24
e a = 6	**f** a = 11