Math worksheet on *'Pythagorean Equation from Variables - Length of Side (Integer) (Level 1)'*. Part of a broader unit on *'Pythagoras - Foundations'*

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1 Find the value of 'a' in this equation

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 8$$
$$c = 10$$

a a = 5	**b** a = 80
c a = 7	**d** a = 18
e a = 6	**f** a = 8

2 Find the value of 'a' in this equation

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

a a = 8	**b** a = 156
c a = 6	**d** a = 5
e a = 4	**f** a = 25

3 Find the value of 'b' in this equation

$$a^2 + b^2 = c^2$$
$$a = 5$$
$$b = ?$$
$$c = 13$$

a b = 8	**b** b = 12
c b = 11	**d** b = 15
e b = 13	**f** b = 18

4 Find the value of 'b' in this equation

$$a^2 + b^2 = c^2$$
$$a = 8$$
$$b = ?$$
$$c = 10$$

a b = 4	**b** b = 7
c b = 6	**d** b = 9
e b = 5	**f** b = 10

5 Find the value of 'a' in this equation

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 5$$
$$c = 13$$

a a = 10	**b** a = 11
c a = 12	**d** a = 13
e a = 14	**f** a = 65

6 Find the value of 'a' in this equation

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 6$$
$$c = 10$$

a a = 3	**b** a = 6
c a = 16	**d** a = 10
e a = 8	**f** a = 7

7 Find the value of 'b' in this equation

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

a b = 5	**b** b = 4
c b = 6	**d** b = 3
e b = 15	**f** b = 8