Math worksheet on *'Pythagorean Equation from Variables - Length of Side (Decimal) (Level 1)'*. Part of a broader unit on *'Pythagorean Theorem with Decimals - Intro'*

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1 Approximate the value of 'b' in this equation

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

a b = 11.9	**b** b = 8.8
c b = 27	**d** b = 9.3
e b = 8.5	**f** b = 4.5

2 Approximate the value of 'a' in this equation

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 5$$
$$c = 8$$

a a = 4.2	**b** a = 5.2
c a = 3.7	**d** a = 6.9
e a = 40	**f** a = 6.2

3 Approximate the value of 'a' in this equation

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

a a = 11	**b** a = 2.7
c a = 2.3	**d** a = 7.3
e a = 30	**f** a = 3.3

4 Approximate the value of 'a' in this equation

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 6$$
$$c = 8$$

a a = 14	**b** a = 4.8
c a = 6.9	**d** a = 48
e a = 5.3	**f** a = 7.4

5 Approximate the value of 'a' in this equation

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

a a = 11.9	**b** a = 6.8
c a = 6.5	**d** a = 5.1
e a = 10.2	**f** a = 8.5

6 Approximate the value of 'a' in this equation

$$a^2 + b^2 = c^2$$
$$a = ?$$
$$b = 4$$
$$c = 5$$

a a = 3	**b** a = 4.6
c a = 1	**d** a = 20
e a = 1.8	**f** a = 4

7 Approximate the value of 'b' in this equation

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

a b = 4.7	**b** b = 4
c b = 15	**d** b = 8
e b = 1	**f** b = 5.6