Math worksheet on *'Pythagorean Equation from Squares - 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

$$a^2 + 8^2 = 10^2$$

a	a = 80	**b**	a = 9
c	a = 3	**d**	a = 18
e	a = 6	**f**	a = 10

2 Find the value of 'b' in this equation

$$8^2 + b^2 = 10^2$$

a	b = 80	**b**	b = 10
c	b = 3	**d**	b = 18
e	b = 7	**f**	b = 6

3 Find the value of 'a' in this equation

$$a^2 + 3^2 = 5^2$$

a	a = 1	**b**	a = 4
c	a = 8	**d**	a = 2
e	a = 15	**f**	a = 3

4 Find the value of 'b' in this equation

$$6^2 + b^2 = 10^2$$

a	b = 3	**b**	b = 8
c	b = 60	**d**	b = 6
e	b = 9	**f**	b = 10

5 Find the value of 'a' in this equation

$$a^2 + 12^2 = 13^2$$

a	a = 3	**b**	a = 13
c	a = 1	**d**	a = 5
e	a = 25	**f**	a = 2

6 Find the value of 'a' in this equation

$$a^2 + 4^2 = 5^2$$

a	**b**	**c**	**d**	**e**	**f**
a = 9	a = 4	a = 2	a = 1	a = 3	a = 5

7 Find the value of 'b' in this equation

$$3^2 + b^2 = 5^2$$

a	**b**	**c**	**d**	**e**	**f**
b = 2	b = 4	b = 5	b = 1	b = 3	b = 8