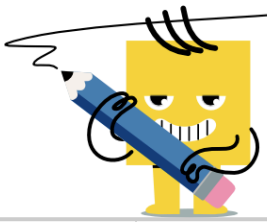
Name



# Pythagorean Equation from Variables - Length of Side (Integer)

**1** Find the value of 'a' in this equation

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

| | |
|---|---|
| A: a = 7 | B: a = 15 |
| C: a = 65 | D: a = 14 |
| E: a = 13 | F: a = 12 |

**2** Find the value of 'a' in this equation

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

| | |
|---|---|
| A: a = 6 | B: a = 8 |
| C: a = 5 | D: a = 80 |
| E: a = 10 | F: a = 7 |

**3** Find the value of 'b' in this equation

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

| | |
|---|---|
| A: b = 7 | B: b = 65 |
| C: b = 13 | D: b = 18 |
| E: b = 11 | F: b = 12 |

**4** Find the value of 'a' in this equation

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

| | | |
|---|---|---|
| A: a = 2 | B: a = 6 | C: a = 4 |
| D: a = 9 | E: a = 3 | F: a = 5 |

**5** Find the value of 'a' in this equation

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

| | |
|---|---|
| A: a = 7 | B: a = 5 |
| C: a = 8 | D: a = 10 |
| E: a = 60 | F: a = 6 |

**6** Find the value of 'b' in this equation

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

| | |
|---|---|
| A: b = 6 | B: b = 8 |
| C: b = 5 | D: b = 4 |
| E: b = 12 | F: b = 16 |

**7** Find the value of 'a' in this equation

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

| | |
|---|---|
| A: a = 1 | B: a = 15 |
| C: a = 4 | D: a = 5 |
| E: a = 6 | F: a = 3 |

**8** Find the value of 'b' in this equation

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

| | |
|---|---|
| A: b = 7 | B: b = 5 |
| C: b = 1 | D: b = 25 |
| E: b = 3 | F: b = 4 |