



## Pythagorean Equation from Values - Either Missing Length (Decimal)

**1** Approximate the value of 'c' in this equation

$$25 + 25 = c^2$$

- |   |         |   |         |
|---|---------|---|---------|
| A | c = 25  | B | c = 2.9 |
| C | c = 1   | D | c = 10  |
| E | c = 7.1 | F | c = 5.4 |

**2** Approximate the value of 'c' in this equation

$$25 + 9 = c^2$$

- |   |         |   |         |
|---|---------|---|---------|
| A | c = 5.8 | B | c = 3.3 |
| C | c = 9.2 | D | c = 15  |
| E | c = 7.5 | F | c = 5   |

**3** Approximate the value of 'c' in this equation

$$4 + 4 = c^2$$

- |   |         |   |         |
|---|---------|---|---------|
| A | c = 1.1 | B | c = 3.7 |
| C | c = 2.8 | D | c = 1   |
| E | c = 2   | F | c = 1.4 |

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

$$a^2 + 4 = 25$$

- |   |         |   |         |
|---|---------|---|---------|
| A | a = 4.8 | B | a = 4.6 |
| C | a = 3.7 | D | a = 2.3 |
| E | a = 3.2 | F | a = 1.6 |

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

$$a^2 + 25 = 81$$

- |   |         |   |          |
|---|---------|---|----------|
| A | a = 14  | B | a = 10.5 |
| C | a = 7.5 | D | a = 5.2  |
| E | a = 8.5 | F | a = 8.7  |

**6** Approximate the value of 'a' in this equation

$$a^2 + 9 = 81$$

- |   |          |   |         |
|---|----------|---|---------|
| A | a = 7.5  | B | a = 6.5 |
| C | a = 27   | D | a = 4.2 |
| E | a = 11.5 | F | a = 8.5 |

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

$$a^2 + 4 = 49$$

- |   |         |   |         |
|---|---------|---|---------|
| A | a = 2.7 | B | a = 6.7 |
| C | a = 9.4 | D | a = 4.7 |
| E | a = 3.4 | F | a = 8   |

**8** Approximate the value of 'c' in this equation

$$4 + 16 = c^2$$

- |   |         |   |         |
|---|---------|---|---------|
| A | c = 3.6 | B | c = 5.3 |
| C | c = 7.8 | D | c = 6   |
| E | c = 6.2 | F | c = 4.5 |