Name

Pythagorean Equation from Variables - Length of Side (Radical)

1 Find the radical (square root) for the value of 'b' in this equation

$$a^2 + b^2 = c^2$$
$$a = 5$$
$$b = ?$$
$$c = 7$$

A $b = \sqrt{123}$
B $b = \sqrt{73}$
C $b = \sqrt{122}$
D $b = \sqrt{24}$
E $b = \sqrt{74}$

2 Find the radical (square root) for the value of 'a' in this equation

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

A $a = \sqrt{132}$
B $a = \sqrt{124}$
C $a = \sqrt{60}$
D $a = \sqrt{188}$

3 Find the radical (square root) for the value of 'b' in this equation

$$a^2 + b^2 = c^2$$
$$a = 5$$
$$b = ?$$
$$c = 9$$

A $b = \sqrt{106}$
B $b = \sqrt{137}$
C $b = \sqrt{56}$
D $b = \sqrt{218}$

4 Find the radical (square root) for the value of 'b' in this equation

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

A $b = \sqrt{156}$
B $b = \sqrt{92}$
C $b = \sqrt{28}$

5 Find the radical (square root) for the value of 'b' in this equation

$$a^2 + b^2 = c^2$$
$$a = 6$$
$$b = ?$$
$$c = 7$$

A $b = \sqrt{111}$
B $b = \sqrt{62}$
C $b = \sqrt{13}$

6 Find the radical (square root) for the value of 'b' in this equation

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

A $b = \sqrt{21}$
B $b = \sqrt{79}$
C $b = \sqrt{71}$
D $b = \sqrt{46}$

7 Find the radical (square root) for the value of 'a' in this equation

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

A $a = \sqrt{61}$
B $a = \sqrt{47}$
C $a = \sqrt{83}$
D $a = \sqrt{11}$

8 Find the radical (square root) for the value of 'b' in this equation

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

A $b = \sqrt{167}$
B $b = \sqrt{103}$
C $b = \sqrt{89}$
D $b = \sqrt{39}$