Math worksheet on *'Pythagorean Equation from Variables - Length of Hypotenuse (Radical) (Level 1)'*. Part of a broader unit on *'Pythagoras - Foundations'*

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

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

a $c = \sqrt{16}$ **b** $c = \sqrt{0}$ **c** $c = \sqrt{8}$

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

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

a $c = \sqrt{-11}$ **b** $c = \sqrt{61}$ **c** $c = \sqrt{11}$

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

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

a $c = \sqrt{72}$ **b** $c = \sqrt{0}$

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

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

a $c = \sqrt{34}$ **b** $c = \sqrt{16}$ **c** $c = \sqrt{43}$

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

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

a $c = \sqrt{37}$ **b** $c = \sqrt{21}$ **c** $c = \sqrt{29}$

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

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

a $c = \sqrt{13}$ **b** $c = \sqrt{5}$

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

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

a $c = \sqrt{11}$ **b** $c = \sqrt{61}$ **c** $c = \sqrt{111}$ **d** $c = \sqrt{86}$