Math worksheet on *'Pythagorean Equation from Values - Length of Side (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

$$4 + 16 = c^2$$

a	$c = \sqrt{-12}$	**b**	$c = \sqrt{12}$
c	$c = \sqrt{36}$	**d**	$c = \sqrt{20}$

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

$$9 + b^2 = 64$$

a	$b = \sqrt{55}$	**b**	$b = \sqrt{119}$
c	$b = \sqrt{183}$	**d**	$b = \sqrt{201}$

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

$$a^2 + 36 = 64$$

a	$a = \sqrt{28}$	**b**	$a = \sqrt{92}$
c	$a = \sqrt{228}$	**d**	$a = \sqrt{156}$

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

$$a^2 + 16 = 36$$

a	$a = \sqrt{20}$	**b**	$a = \sqrt{92}$
c	$a = \sqrt{88}$	**d**	$a = \sqrt{56}$

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

$$4 + 4 = c^2$$

a $c = \sqrt{12}$	**b** $c = \sqrt{8}$	**c** $c = \sqrt{0}$

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

$$25 + 9 = c^2$$

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

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

$$a^2 + 9 = 81$$

a	$a = \sqrt{72}$	**b**	$a = \sqrt{90}$
c	$a = \sqrt{153}$		