



Math worksheet on 'Pythagorean Equation from Squares - 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 'b' in this equation

$$3^2 + b^2 = 8^2$$

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

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

$$5^2 + 2^2 = c^2$$

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

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

$$a^2 + 6^2 = 7^2$$

a	$a = \sqrt{62}$	b	$a = \sqrt{111}$
c	$a = \sqrt{13}$		

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

$$4^2 + 4^2 = c^2$$

a	b	c
$c = \sqrt{32}$	$c = \sqrt{0}$	$c = \sqrt{64}$

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

$$6^2 + 4^2 = c^2$$

a	b	c
$c = \sqrt{68}$	$c = \sqrt{20}$	$c = \sqrt{52}$

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

$$2^2 + 5^2 = c^2$$

a	$c = \sqrt{21}$	b	$c = \sqrt{-21}$
c	$c = \sqrt{54}$	d	$c = \sqrt{29}$

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

$$6^2 + 5^2 = c^2$$

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