



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

$$16 + 4 = c^2$$

<b>a</b>	<b>b</b>	<b>c</b>
$c = \sqrt{20}$	$c = \sqrt{28}$	$c = \sqrt{12}$

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

$$9 + 16 = c^2$$

<b>a</b>	$c = \sqrt{-7}$	<b>b</b>	$c = \sqrt{7}$
<b>c</b>	$c = \sqrt{25}$		

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

$$16 + b^2 = 81$$

<b>a</b>	$b = \sqrt{65}$	<b>b</b>	$b = \sqrt{146}$
<b>c</b>	$b = \sqrt{227}$		

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

$$9 + 36 = c^2$$

<b>a</b>	$c = \sqrt{45}$	<b>b</b>	$c = \sqrt{117}$
<b>c</b>	$c = \sqrt{27}$		

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

$$36 + b^2 = 49$$

<b>a</b>	$b = \sqrt{85}$	<b>b</b>	$b = \sqrt{111}$
<b>c</b>	$b = \sqrt{183}$	<b>d</b>	$b = \sqrt{13}$

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

$$4 + 4 = c^2$$

<b>a</b>	<b>b</b>
$c = \sqrt{8}$	$c = \sqrt{0}$

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

$$36 + 9 = c^2$$

<b>a</b>	<b>b</b>	<b>c</b>
$c = \sqrt{63}$	$c = \sqrt{45}$	$c = \sqrt{27}$