



Math worksheet on 'Pythagorean Equation from Squares - Either Missing Length (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 'a' in this equation

$$a^2 + 2^2 = 4^2$$

a	$a = \sqrt{36}$	b	$a = \sqrt{44}$
c	$a = \sqrt{28}$	d	$a = \sqrt{12}$
e	$a = \sqrt{20}$		

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

$$5^2 + b^2 = 8^2$$

a	$b = \sqrt{167}$	b	$b = \sqrt{39}$
c	$b = \sqrt{217}$	d	$b = \sqrt{89}$

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

$$3^2 + b^2 = 9^2$$

a	$b = \sqrt{234}$	b	$b = \sqrt{72}$
c	$b = \sqrt{153}$	d	$b = \sqrt{171}$

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

$$2^2 + b^2 = 7^2$$

a	$b = \sqrt{94}$	b	$b = \sqrt{143}$
c	$b = \sqrt{53}$	d	$b = \sqrt{45}$

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

$$a^2 + 2^2 = 3^2$$

a	$a = \sqrt{5}$	b	$a = \sqrt{31}$
c	$a = \sqrt{14}$	d	$a = \sqrt{23}$

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

$$6^2 + b^2 = 9^2$$

a	$b = \sqrt{126}$	b	$b = \sqrt{207}$
c	$b = \sqrt{45}$		

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

$$a^2 + 6^2 = 9^2$$

a	$a = \sqrt{126}$	b	$a = \sqrt{45}$
c	$a = \sqrt{279}$	d	$a = \sqrt{207}$