mobius

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

Learn online: app.mobius.academy/math/units/pythagoras_foundations/

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

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

a	$a = \sqrt{13}$	b	$a = \sqrt{85}$
c	$a = \sqrt{62}$		

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

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

a	$b = \sqrt{72}$	b	$b = \sqrt{153}$
c	$b = \sqrt{90}$	d	$b = \sqrt{252}$

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

$$4^2 + b^2 = 7^2$$

a	$b = \sqrt{114}$	b	$b = \sqrt{33}$
c	$b = \sqrt{65}$	d	$b = \sqrt{131}$

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

$$a^2 + 4^2 = 6^2$$

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

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

$$3^2 + b^2 = 5^2$$

a	b	c	d
$b = \sqrt{66}$	$b = \sqrt{41}$	$b = \sqrt{16}$	$b = \sqrt{34}$

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

$$a^2 + 3^2 = 4^2$$

a	$a = \sqrt{7}$	b	$a = \sqrt{25}$
c	$a = \sqrt{23}$	d	$a = \sqrt{39}$

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

$$6^2 + b^2 = 7^2$$

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