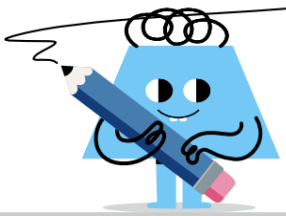
Name

Pythagorean Equation from Values - Either Missing Length (Radical)



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

$$a^2 + 16 = 49$$

A	$a = \sqrt{163}$	B	$a = \sqrt{114}$
C	$a = \sqrt{131}$	D	$a = \sqrt{33}$

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

$$a^2 + 4 = 64$$

A	$a = \sqrt{60}$	B	$a = \sqrt{124}$
C	$a = \sqrt{68}$	D	$a = \sqrt{188}$

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

$$25 + b^2 = 36$$

A	B	C	D	E
$b = \sqrt{83}$	$b = \sqrt{47}$	$b = \sqrt{97}$	$b = \sqrt{11}$	$b = \sqrt{61}$

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

$$4 + b^2 = 36$$

A	$b = \sqrt{76}$	B	$b = \sqrt{104}$
C	$b = \sqrt{32}$	D	$b = \sqrt{68}$

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

$$25 + b^2 = 49$$

A	$b = \sqrt{172}$	B	$b = \sqrt{24}$
C	$b = \sqrt{73}$		

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

$$a^2 + 9 = 49$$

A	$a = \sqrt{107}$	B	$a = \sqrt{89}$
C	$a = \sqrt{40}$	D	$a = \sqrt{138}$
E	$a = \sqrt{58}$		

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

$$16 + b^2 = 25$$

A	B	C	D
$b = \sqrt{9}$	$b = \sqrt{59}$	$b = \sqrt{34}$	$b = \sqrt{66}$

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

$$4 + b^2 = 16$$

A	B	C	D
$b = \sqrt{12}$	$b = \sqrt{28}$	$b = \sqrt{36}$	$b = \sqrt{44}$