Name

Pythagorean Equation from Squares - Either Missing Length (Radical)

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

$$4^2 + b^2 = 8^2$$

A	$b = \sqrt{48}$	B	$b = \sqrt{208}$
C	$b = \sqrt{112}$	D	$b = \sqrt{176}$
E	$b = \sqrt{144}$		

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

$$a^2 + 3^2 = 6^2$$

A	$a = \sqrt{117}$	B	$a = \sqrt{63}$
C	$a = \sqrt{45}$	D	$a = \sqrt{27}$

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

$$4^2 + b^2 = 9^2$$

A	$b = \sqrt{146}$	B	$b = \sqrt{178}$
C	$b = \sqrt{65}$	D	$b = \sqrt{227}$

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

$$a^2 + 3^2 = 8^2$$

A	$a = \sqrt{119}$	B	$a = \sqrt{55}$
C	$a = \sqrt{183}$		

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

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

A	$b = \sqrt{77}$	B	$b = \sqrt{239}$
C	$b = \sqrt{158}$		

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

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

A	$b = \sqrt{60}$	B	$b = \sqrt{196}$
C	$b = \sqrt{188}$	D	$b = \sqrt{124}$

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

$$3^2 + b^2 = 4^2$$

A	B	C	D
$b = \sqrt{7}$	$b = \sqrt{25}$	$b = \sqrt{39}$	$b = \sqrt{23}$

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

$$a^2 + 3^2 = 7^2$$

A	$a = \sqrt{156}$	B	$a = \sqrt{40}$
C	$a = \sqrt{138}$		