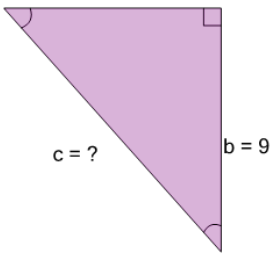
Mobius Math Club Name:_____

Math worksheet on *'Pythagorean Theorem - Length of Hypotenuse - Labelled Sides (Equation) (Level 2)'*. Part of a broader unit on *'Pythagoras - Intro'*

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

1 Find the length of the missing side as an equation based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



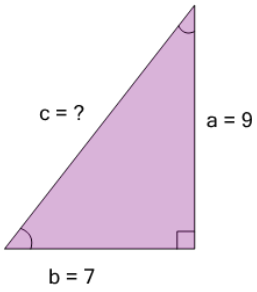
a $8^2 - 9^2$

b $\sqrt{8^3 + 9^3}$

c $8^2 + 9^2$

d $\sqrt{8^2 + 9^2}$

2 Find the length of the missing side as an equation based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



a $9^2 + 7^2$

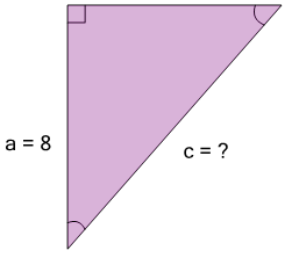
b $9^2 - 7^2$

c $\sqrt{9^2 + 7^2}$

d $\sqrt{9^2 - 7^2}$

e $\sqrt{7^2 - 9^2}$

3 Find the length of the missing side as an equation based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



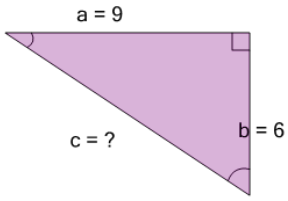
a $8^2 + 7^2$

b $\sqrt{8^2 - 7^2}$

c $\sqrt{8^2 + 7^2}$

d $8^2 - 7^2$

4 Find the length of the missing side as an equation based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



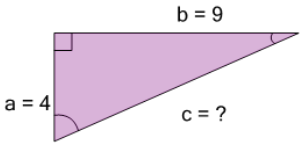
a $9^2 - 6^2$

b $9^2 + 6^2$

c $\sqrt{9^2 + 6^2}$

d $\sqrt{6^2 - 9^2}$

5 Find the length of the missing side as an equation based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



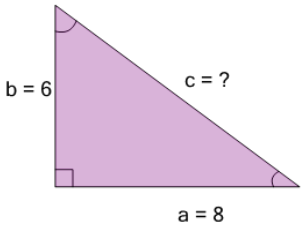
a $4^2 + 9^2$

b $4^2 - 9^2$

c $\sqrt{4^2 + 9^2}$

d $\sqrt{4^2 - 9^2}$

6 Find the length of the missing side as an equation based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



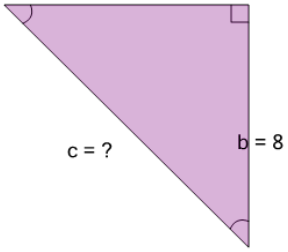
a $\sqrt{8^2 - 6^2}$

b $8^2 - 6^2$

c $\sqrt{8^2 + 6^2}$

d $8^2 + 6^2$

7 Find the length of the missing side as an equation based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



a $\sqrt{8^2 + 8^2}$

b $8^2 + 8^2$

c $8^2 - 8^2$

d $\sqrt{8^2 - 8^2}$