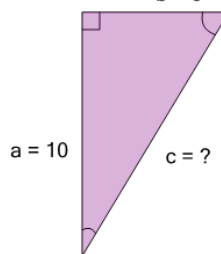




Math worksheet on 'Pythagorean Theorem - Length of Hypotenuse - Labelled Sides (Equation) (Level 2)'. Part of a broader unit on 'Pythagoras - Intro'

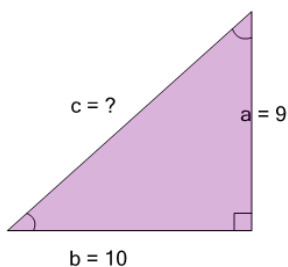
Learn online: app.mobius.academy/math/units/pythagoras_intro/

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



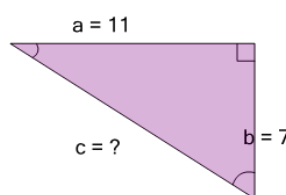
a $10^2 + 6^2$	b $\sqrt{10^2 + 6^2}$
c $10^2 - 6^2$	d $\sqrt{10^3 + 6^3}$

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



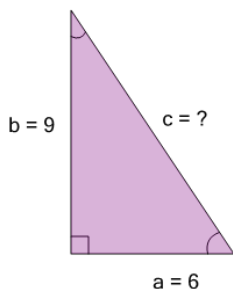
a $9^2 - 10^2$	b $\sqrt{9^2 + 10^2}$
c $\sqrt{9^2 - 10^2}$	

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



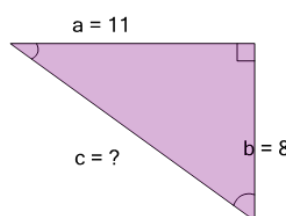
a $\sqrt{11^2 + 7^2}$	b $11^2 + 7^2$
c $\sqrt{11^2 - 7^2}$	d $11^2 - 7^2$

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



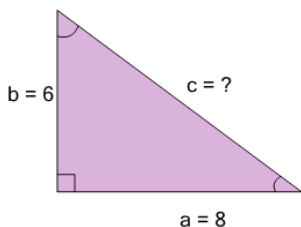
a $6^2 + 9^2$	b $6^2 - 9^2$
c $\sqrt{6^2 + 9^2}$	

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



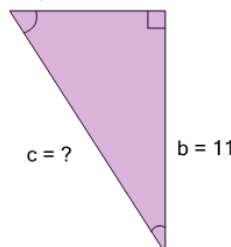
a $11^2 - 8^2$	b $\sqrt{11^2 + 8^2}$
c $11^2 + 8^2$	d $\sqrt{8^2 - 11^2}$

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



a $8^2 - 6^2$	b $\sqrt{8^2 - 6^2}$
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:
 $a^2 + b^2 = c^2$
 $a = 7$



a $7^2 - 11^2$	b $\sqrt{7^2 + 11^2}$
c $7^2 + 11^2$	