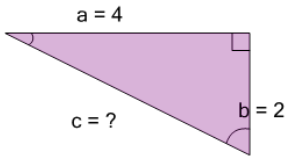
Math worksheet on *'Pythagorean Theorem - Length of Hypotenuse - Labelled Sides (Equation) (Level 1)'*. Part of a broader unit on *'Pythagoras - Intro'*

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

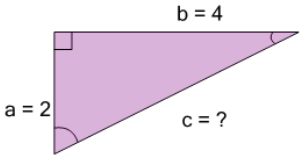
1 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



a $\sqrt{4^2 - 2^2}$ **b** $4^2 + 2^2$

c $\sqrt{4^2 + 2^2}$ **d** $4^2 - 2^2$

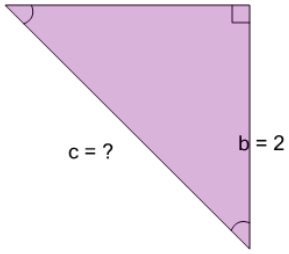
2 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



a $\sqrt{2^2 - 4^2}$ **b** $\sqrt{2^2 + 4^2}$

c $2^2 - 4^2$ **d** $2^2 + 4^2$

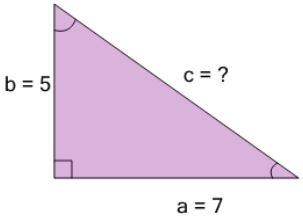
3 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



a $2^2 + 2^2$ **b** $2^2 - 2^2$

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

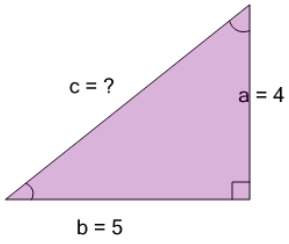
4 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



a $\sqrt{7^2 + 5^2}$ **b** $7^2 + 5^2$

c $\sqrt{5^2 - 7^2}$ **d** $7^2 - 5^2$

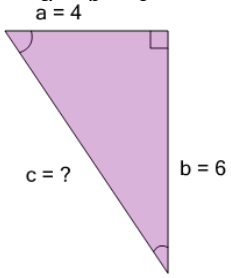
5 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



a $\sqrt{4^2 + 5^2}$ **b** $4^2 - 5^2$

c $4^2 + 5^2$

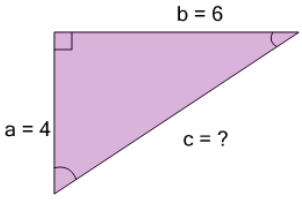
6 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



a $4^2 - 6^2$ **b** $\sqrt{4^2 - 6^2}$

c $\sqrt{4^2 + 6^2}$

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



a $4^2 + 6^2$ **b** $\sqrt{6^2 - 4^2}$

c $4^2 - 6^2$ **d** $\sqrt{4^2 + 6^2}$