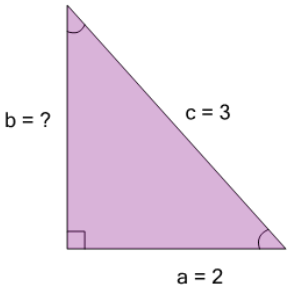
Math worksheet on *'Pythagorean Theorem - Length of Side - Labelled Sides (Equation) (Level 1)'*. Part of a broader unit on *'Pythagoras - Intro'*

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

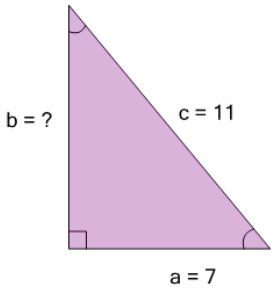
1 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



a $\sqrt{2^2 - 3^2}$ **b** $2^2 + 3^2$ **c** $2^2 - 3^2$

d $\sqrt{3^2 - 2^2}$

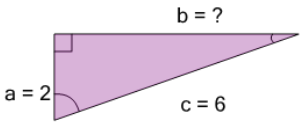
2 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



a $7^2 + 11^2$ **b** $7^2 - 11^2$

c $\sqrt{11^2 - 7^2}$ **d** $\sqrt{7^2 - 11^2}$

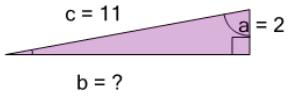
3 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



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

c $\sqrt{6^2 - 2^2}$ **d** $\sqrt{2^3 + 6^3}$

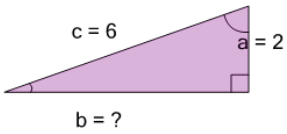
4 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



a $\sqrt{2^3 + 11^3}$ **b** $2^2 + 11^2$

c $\sqrt{11^2 - 2^2}$ **d** $2^2 - 11^2$

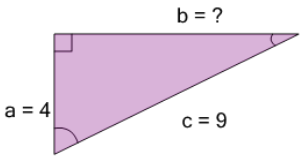
5 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



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

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

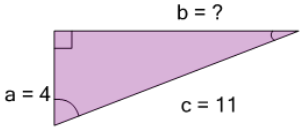
6 Find the length of the missing side as an equation based on the Pythagorean theorem: $a^2 + b^2 = c^2$



a $\sqrt{4^3 + 9^3}$ **b** $\sqrt{9^2 - 4^2}$

c $4^2 - 9^2$ **d** $4^2 + 9^2$

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



a $4^2 + 11^2$ **b** $\sqrt{4^3 + 11^3}$

c $\sqrt{11^2 - 4^2}$ **d** $4^2 - 11^2$