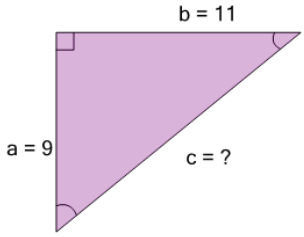
Math worksheet on *'Pythagorean Theorem - Either Missing Length - Labelled Sides (Equation) (Level 2)'*. Part of a broader unit on *'Pythagoras - Intro'*

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: $a^2 + b^2 = c^2$



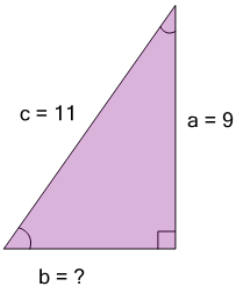
a $9^2 + 11^2$

b $9^2 - 11^2$

c $\sqrt{9^3 + 11^3}$

d $\sqrt{9^2 + 11^2}$

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



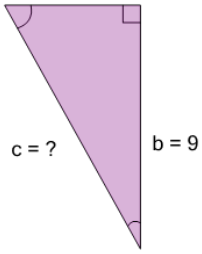
a $9^2 + 11^2$

b $9^2 - 11^2$

c $\sqrt{11^2 + 9^2}$

d $\sqrt{11^2 - 9^2}$

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

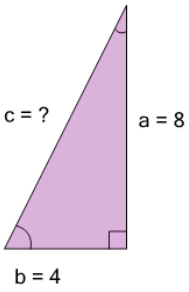


a $\sqrt{5^2 + 9^2}$

b $5^2 + 9^2$

c $5^2 - 9^2$

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

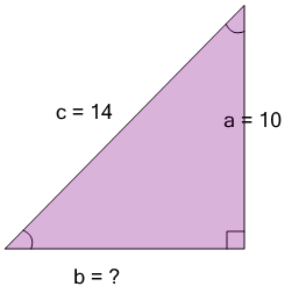


a $\sqrt{8^2 + 4^2}$

b $8^2 + 4^2$

c $8^2 - 4^2$

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



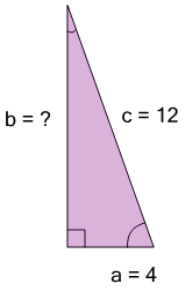
a $\sqrt{14^2 - 10^2}$

b $10^2 - 14^2$

c $10^2 + 14^2$

d $\sqrt{10^3 + 14^3}$

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

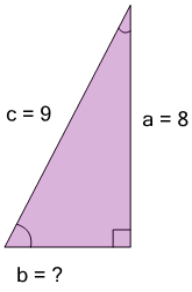


a $4^2 - 12^2$

b $\sqrt{12^2 - 4^2}$

c $4^2 + 12^2$

7 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 $8^2 + 9^2$

c $\sqrt{8^2 - 9^2}$

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