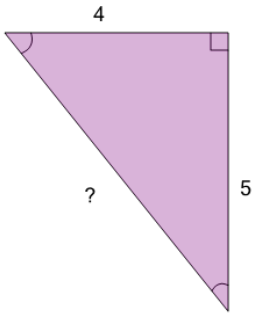
Mobius Math Club Name:_____

Math worksheet on *'Pythagorean Theorem - Length of Hypotenuse (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

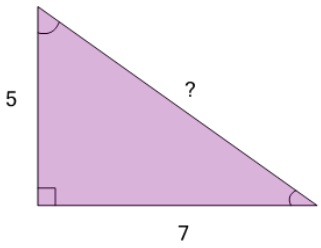


a $4^2 - 5^2$

b $4^2 + 5^2$

c $\sqrt{4^2 + 5^2}$

2 Find the length of the missing side as an equation based on the Pythagorean theorem



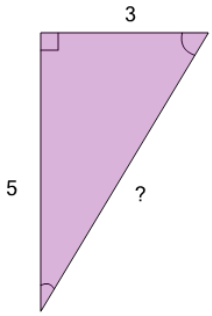
a $\sqrt{5^2 - 7^2}$

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

c $7^2 - 5^2$

d $7^2 + 5^2$

3 Find the length of the missing side as an equation based on the Pythagorean theorem



a $\sqrt{5^3 + 3^3}$

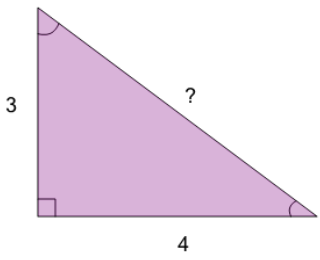
b $\sqrt{5^2 + 3^2}$

c $5^2 - 3^2$

d $\sqrt{3^2 - 5^2}$

e $5^2 + 3^2$

4 Find the length of the missing side as an equation based on the Pythagorean theorem



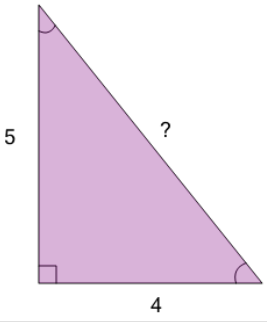
a $\sqrt{3^2 - 4^2}$

b $4^2 - 3^2$

c $4^2 + 3^2$

d $\sqrt{4^2 + 3^2}$

5 Find the length of the missing side as an equation based on the Pythagorean theorem



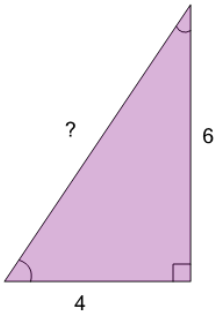
a $\sqrt{5^2 - 4^2}$

b $4^2 - 5^2$

c $\sqrt{4^2 + 5^2}$

d $4^2 + 5^2$

6 Find the length of the missing side as an equation based on the Pythagorean theorem



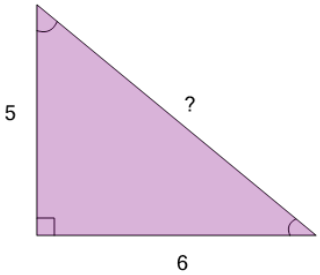
a $6^2 - 4^2$

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

c $\sqrt{6^3 + 4^3}$

d $6^2 + 4^2$

7 Find the length of the missing side as an equation based on the Pythagorean theorem



a $6^2 - 5^2$

b $\sqrt{6^2 + 5^2}$

c $\sqrt{5^2 - 6^2}$

d $6^2 + 5^2$

e $\sqrt{6^2 - 5^2}$