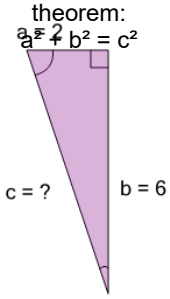
Math worksheet on *'Pythagorean Theorem - Either Missing Length - Labelled Sides (Radical) (Level 1)'*. Part of a broader unit on *'Pythagoras - Intro'*

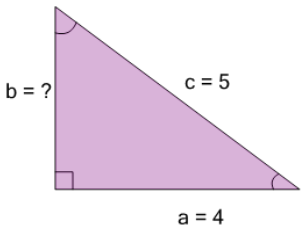
Learn online: app.mobius.academy/math/units/pythagoras_intro/

1 Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



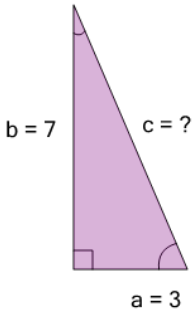
a $\sqrt{40}$ **b** $\sqrt{-32}$ **c** $\sqrt{32}$

2 Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



a $\sqrt{9}$ **b** $\sqrt{59}$ **c** $\sqrt{34}$

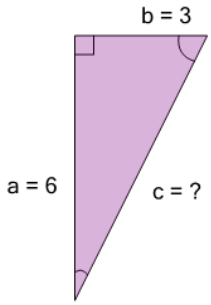
3



Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$

a $\sqrt{58}$ **b** $\sqrt{40}$

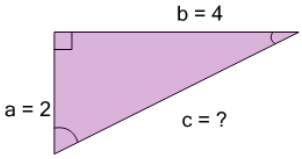
4



Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$

a $\sqrt{27}$ **b** $\sqrt{45}$

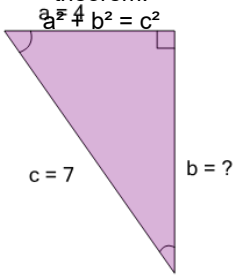
5 Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



a $\sqrt{36}$ **b** $\sqrt{12}$ **c** $\sqrt{52}$

d $\sqrt{20}$

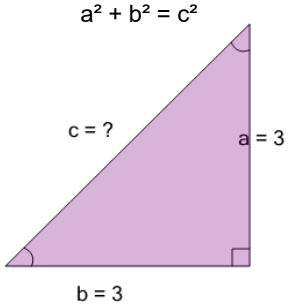
6 Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



a $\sqrt{33}$ **b** $\sqrt{82}$ **c** $\sqrt{114}$

d $\sqrt{131}$

7 Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



a $\sqrt{18}$ **b** $\sqrt{27}$ **c** $\sqrt{0}$