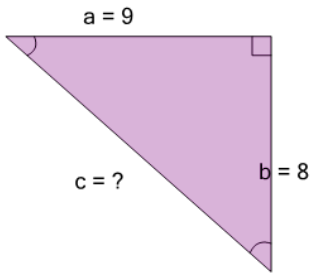
Math worksheet on *'Pythagorean Theorem - Length of Hypotenuse - Labelled Sides (Radical) (Level 2)'*. Part of a broader unit on *'Pythagoras - Intro'*

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

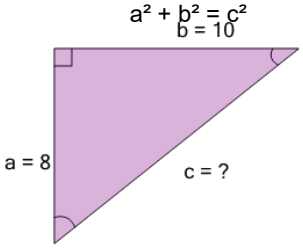
1



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

a $\sqrt{17}$ **b** $\sqrt{145}$

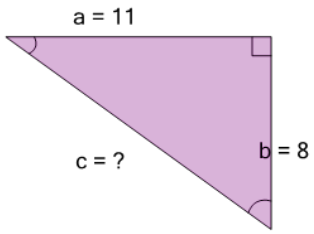
2 Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



a $\sqrt{36}$ **b** $\sqrt{264}$ **c** $\sqrt{164}$

d $\sqrt{364}$

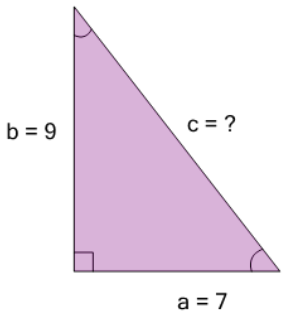
3



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

a $\sqrt{185}$ **b** $\sqrt{57}$

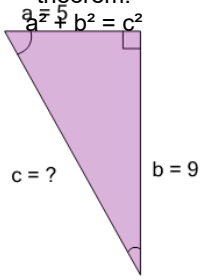
4



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

a $\sqrt{130}$ **b** $\sqrt{32}$

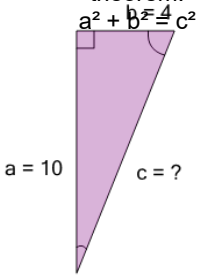
5 Find the length of the missing side as a square root value, based on the Pythagorean theorem:
$a^2 + b^2 = c^2$



a $\sqrt{106}$ **b** $\sqrt{-56}$ **c** $\sqrt{56}$

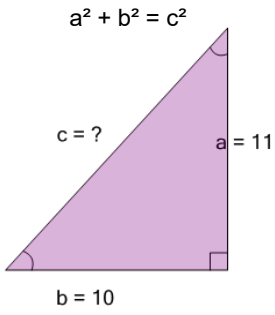
d $\sqrt{268}$

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 $\sqrt{148}$ **b** $\sqrt{116}$ **c** $\sqrt{84}$

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 $\sqrt{221}$ **b** $\sqrt{421}$ **c** $\sqrt{21}$