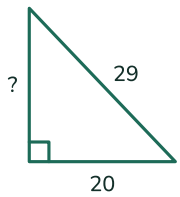
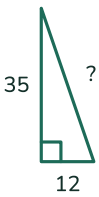
PYTHAGOREAN THEOREM · GRADE 8

Pythagorean Theorem · Grade 8

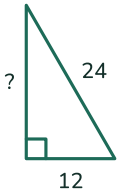
Name _____ Date _____ Score _____ / 6



01 Find the missing leg = _____



02 Find the hypotenuse = _____



03 Find the missing leg (nearest tenth) = _____

04

Sides 37, 80 and 89. Is it a right triangle?

_____

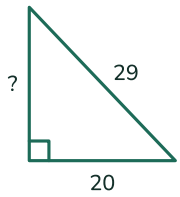
05 A kite flies on a 89 m string. It is right above a spot 39 m from the person holding it. How high is the kite?

Answer: _____

06 A gate is 105 cm wide and 100 cm tall. How long is the brace that runs corner to corner?

Answer: _____

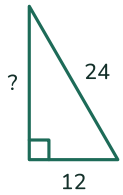
Pythagorean Theorem · Grade 8 (Answer Key)



01 Find the missing leg = **21**



02 Find the hypotenuse = **37**



03 Find the missing leg (nearest tenth) = **20.8**

04

Sides 37, 80 and 89. Is it a right triangle?

No: $37^2 + 80^2 \neq 89^2$

05 A kite flies on a 89 m string. It is right above a spot 39 m from the person holding it. How high is the kite?

80 m

06 A gate is 105 cm wide and 100 cm tall. How long is the brace that runs corner to corner?

145 cm