The Theorem of Pythagoras (Grade 8)

WORKSHEET

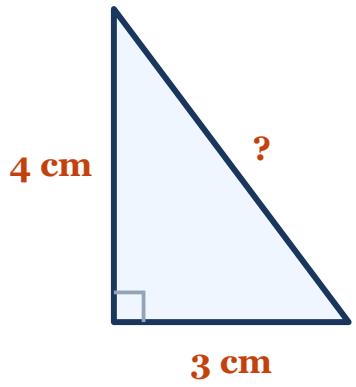
Name: ..... Class: .....

Date: .....

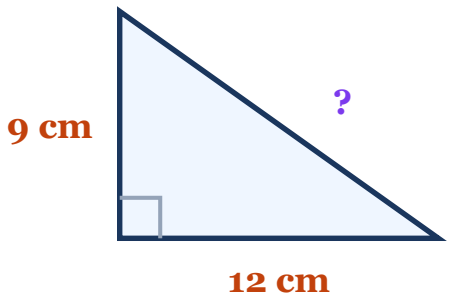
MARK ____ / 19

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

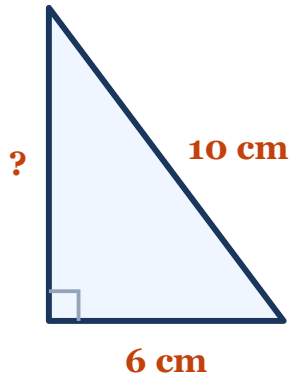
1 Find the hypotenuse: sides 3 cm and 4 cm. (2)



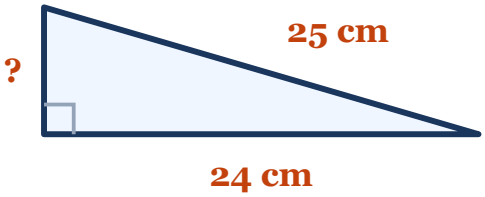
2 Find the hypotenuse: sides 9 cm and 12 cm. (2)



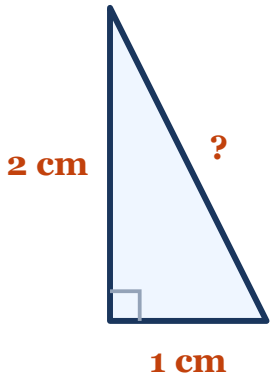
3 Find the missing side: hypotenuse 10 cm, one side 6 cm. (2)



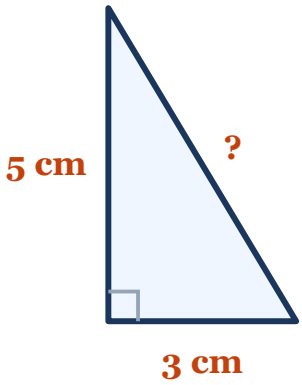
4 Find the missing side: hypotenuse 25 cm, one side 24 cm. (2)



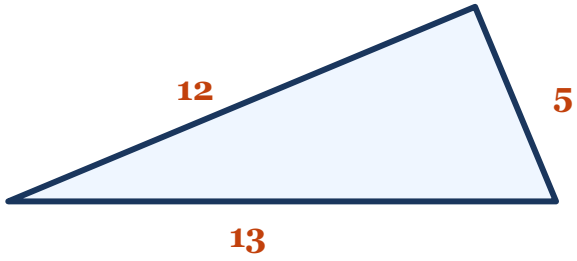
5 Find the hypotenuse in surd form: sides 1 cm and 2 cm. (2)



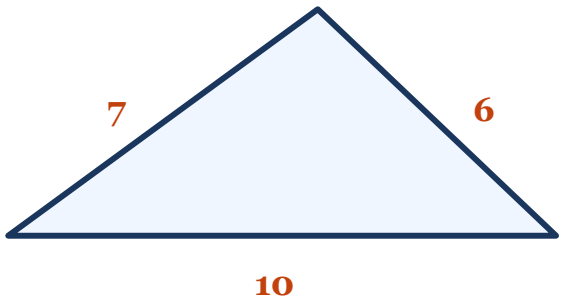
6 Find the hypotenuse in surd form: sides 3 cm and 5 cm. (2)



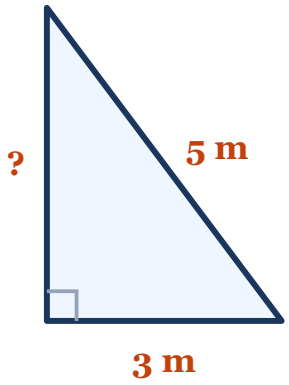
7 Is a triangle with sides 5, 12, 13 right-angled? (2)



8 Is a triangle with sides 6, 7, 10 right-angled? (2)



9 A ladder 5 m long rests 3 m from a wall. How high up the wall does it reach? (3)



TOTAL: 19 marks

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