Worksheet: The Baudhayana–Pythagoras Theorem

Rajasthan State Board · Class 8 · Mathematics · 5 questions · 13 marks

Name: _____	Date: _____	Score: _____ / 13

Q1. Find the hypotenuse of a right triangle with legs 3 cm and 4 cm. *[1 mark]*

Q2. Is (5, 12, 13) a Pythagorean triple? *[1 mark]*

Q3. A ladder is leaning against a wall. The foot is 9 m from the wall, and the top reaches 12 m up. How long is the ladder? *[3 marks]*

Q4. A man walks 12 km east, then 5 km north. How far is he from the starting point (straight-line distance)? *[3 marks]*

Q5. A rectangular field is 80 m long and 60 m wide. A diagonal path is built across the field. (a) Find the length of the path. (b) If walking pace is 5 km/h, how long (in minutes) does it take to walk diagonally? *[5 marks]*