

Right Triangle Worksheet 1 — Basics (Beginner)

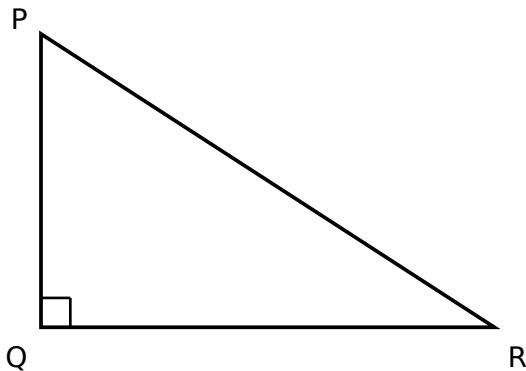
RightTriangleSolver.com • Identifying sides, missing sides, area and perimeter

Name: _____ Date: _____

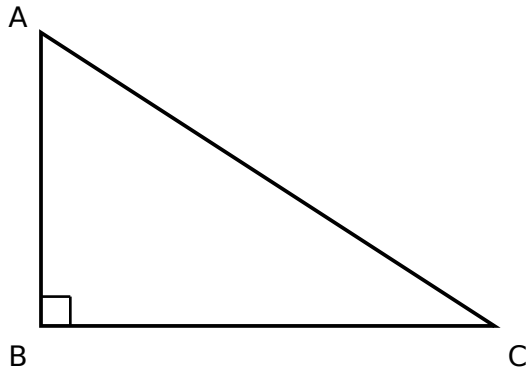
Instructions: Answer all 12 questions. Show your working in the space under each question.
The hypotenuse is always the side opposite the right angle.

Part A: Identify Triangle Parts

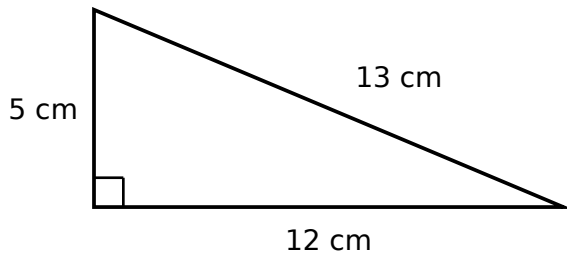
1. In triangle PQR, the right angle is at Q. Side PR, opposite the right angle, has a special name. What is it?



2. In triangle ABC, the right angle is at B. Sides AB and BC meet to form the right angle. What are these two sides called?



3. The diagram shows a right triangle with sides of 5 cm, 12 cm, and 13 cm. What is the 13 cm side called, and which angle does it sit opposite?



4. A triangle has one angle of exactly 90° . What kind of triangle is it, and how many right angles can a triangle have? Explain in one sentence.

Part B: Find the Missing Side

5. The legs of a right triangle measure 3 cm and 4 cm. Find the hypotenuse.
6. The legs of a right triangle measure 6 in and 8 in. Find the hypotenuse.
7. A right triangle has a hypotenuse of 13 cm and one leg of 5 cm. Find the other leg.
8. The legs of a right triangle measure 9 cm and 12 cm. Find the hypotenuse.

Part C: Area and Perimeter

9. A right triangle has sides of 6 cm, 8 cm, and 10 cm. Find its perimeter.
10. The legs of a right triangle measure 5 in and 12 in. Find its area.
11. The legs of a right triangle measure 9 cm and 12 cm, and its hypotenuse is 15 cm. Find its area.

12. A right triangle has sides of 7 m, 24 m, and 25 m. Find its perimeter.