ZiloAcademy

✨ Grade 8 Maths — Pythagoras' Theorem ✨

Name: Demo **Date:** 26/11/2026

1. Find the hypotenuse of right-angled triangles with legs (24 cm, 32 cm), (12 cm, 35 cm), and (28 cm, 45 cm). (Separate your three answers with commas.)

2. A right-angled triangle has legs of 24 cm and 45 cm. Find the length of the hypotenuse:

3. A right-angled triangle has legs of 6 cm and 8 cm. Find the length of the hypotenuse:

4. A right-angled triangle has legs of 9 cm and 12 cm. Find the length of the hypotenuse:

5. A right-angled triangle has a hypotenuse of 74 cm and one leg of 70 cm. Find the length of the other leg:

6. A right-angled triangle has legs of 20 cm and 48 cm. Find the length of the hypotenuse:

7. Find the hypotenuse of a right-angled triangle with legs 9 cm and 40 cm, and of one with legs 10 cm and 24 cm. (Separate your two answers with a comma.)

8. Find the hypotenuse of a right-angled triangle with legs 16 cm and 63 cm, and of one with legs 14 cm and 48 cm. (Separate your two answers with a comma.)

9. Find the hypotenuse of a right-angled triangle with legs 8 cm and 15 cm, and of one with legs 20 cm and 99 cm. (Separate your two answers with a comma.)

10. A right-angled triangle has a hypotenuse of 85 cm and one leg of 84 cm. Find the length of the other leg: