



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. In a right triangle, if one leg is 3 units and the other leg is 4 units, what is the length of the hypotenuse?

- A. 5 units
- B. 6 units
- C. 7 units
- D. 8 units

Solution: Using the Pythagorean theorem, $c = \sqrt{3^2 + 4^2} = \sqrt{9 + 16} = \sqrt{25} = 5$ units.

Q2. In triangle DEF, if DE = 6, DF = 8, and EF = 10, what is the type of triangle?

- A. Acute
- B. Obtuse
- C. Right
- D. Equilateral

Solution: Since $6^2 + 8^2 = 10^2$, triangle DEF is a right triangle.



