



# **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.*



