



# **SoulShift - Educational Q&A Platform**

## **General Questions**

Practice Questions



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**Q1. If the lengths of two sides of a triangle are 5 cm and 12 cm, what is the maximum possible length of the third side?**

- A. 16 cm
- B. 17 cm
- C. 18 cm
- D. 19 cm

*Solution: According to the triangle inequality theorem, the length of the third side must be less than the sum of the other two sides. Therefore, the maximum length is  $5 + 12 = 17$  cm.*

**Q2. If triangle ABC is congruent to triangle DEF, which of the following must be true?**

- A.  $AB = DE$
- B. Angle A = Angle D
- C.  $AC = DF$
- D. All of the above

*Solution: If two triangles are congruent, all corresponding sides and angles are equal.*



