



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



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.



