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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.

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