ZiloAcademy

✨ Grade 10 Maths — Congruent Shapes ✨

Name: Demo **Date:** 26/11/2026

1. In triangles RPQ and ZXY: ∠R = ∠Z, RP = ZX and ∠P = ∠X. Which congruence test proves they are congruent? (SSS, SAS, ASA, AAS or RHS)

2. In triangles KLM and DEF: ∠K = ∠D, KL = DE and ∠L = ∠E. Which congruence test proves they are congruent? (SSS, SAS, ASA, AAS or RHS)

3. In triangles LMK and QRP: ∠L = ∠Q, LM = QR and ∠M = ∠R. Which congruence test proves they are congruent? (SSS, SAS, ASA, AAS or RHS)

4. In triangles ZXY and FDE: ∠Z = ∠F, ∠X = ∠D and XY = DE. Which congruence test proves they are congruent? (SSS, SAS, ASA, AAS or RHS)

5. Triangle 1 has sides 4 cm, 11 cm, 14 cm. Triangle 2 has sides 14 cm, 4 cm, 11 cm. Which congruence test proves they are congruent? (SSS, SAS, ASA, AAS or RHS)

6. In triangles EFD and BCA: $\angle D = \angle A = 90°$, EF = BC (the hypotenuses) and FD = CA. Which congruence test proves they are congruent? (SSS, SAS, ASA, AAS or RHS)

7. In triangles MKL and CAB: $\angle M = \angle C$, MK = CA and $\angle K = \angle A$. Which congruence test proves they are congruent? (SSS, SAS, ASA, AAS or RHS)

8. In triangles KLM and ABC: KL = AB, LM = BC and MK = CA. Which congruence test proves they are congruent? (SSS, SAS, ASA, AAS or RHS)

9. In triangles DEF and PQR: $\angle F = \angle R = 90°$, DE = PQ (the hypotenuses) and EF = QR. Which congruence test proves they are congruent? (SSS, SAS, ASA, AAS or RHS)

10. In triangles QRP and TUS: QR = TU, $\angle R = \angle U$ and RP = US. Which congruence test proves they are congruent? (SSS, SAS, ASA, AAS or RHS)