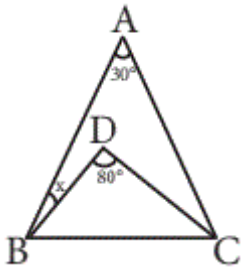
Triangle construction (Possibilities) - SSS, SAS

1. **Construct a Δ ABC in which AB = 6 cm, AC = 5.9 cm and ∠A = 90°**
2. **Δ PQR is an isosceles triangle with PQ = QR and ∠Q = 50°. Find the measure of the other two angles.**
3. **Construct a triangle ABC in which AB = 5 cm, BC = 7 cm and AC = 6 cm. Measure ∠A, ∠B and ∠C. And verify the angle sum property of it.**
4. **Δ ABC and Δ DBC are isosceles. Find:**

   A. ∠ABC and ∠ACB

   B. ∠DBC and ∠DCB

   C. ∠x



5. **Draw a triangle with lengths 3 cm, 4 cm and 5 cm.**
6. **Construct a triangle Δ ABC in which AB = 6 cm, BC = 4 cm and AC = 5 cm. Now, construct a triangle similar to Δ ABC such that each of its sides is two third of the corresponding sides of Δ ABC.**