CONGRUENCE OF TRIANGLES

More Questions for Practice

1. If, for each of the pairs of triangles sketched in the figure given below, like markings indicate congruent parts, name the congruence condition (SAS, SSS, ASA, RHS), if any, which will prove the two triangles of a pair congruent.
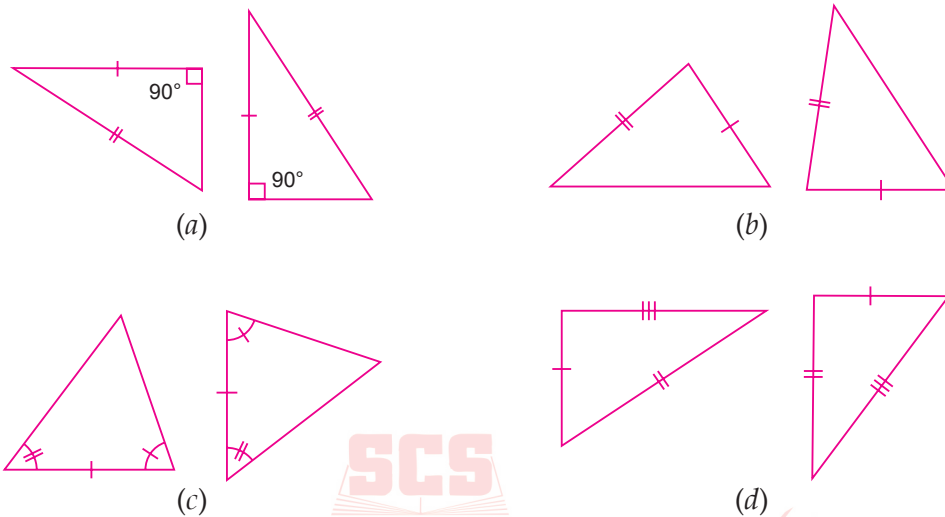

(a) (b)

(c) (d)

Fig. 17.1

2. In the adjoining figure, like markings indicate congruent parts. Is Δ ADB congruent to Δ ADC? If so, name the congruence condition.

Fig. 17.2

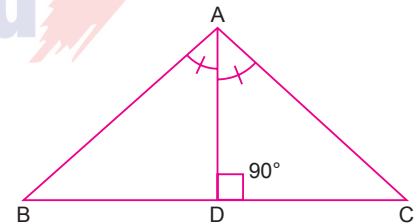3. In the adjoining figure, Δ ABC is an isosceles triangle with AB ≅ AC. D is the mid-point of BC.
   Is Δ ADB ≅ Δ ADC?

Fig. 17.3

ANSWERS

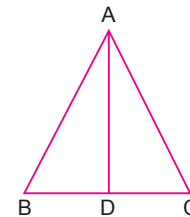1. (*a*) RHS   (*b*) Triangles are not congruent.   (*c*) ASA   (*d*) SSS

2. Yes; ASA   3. Yes.