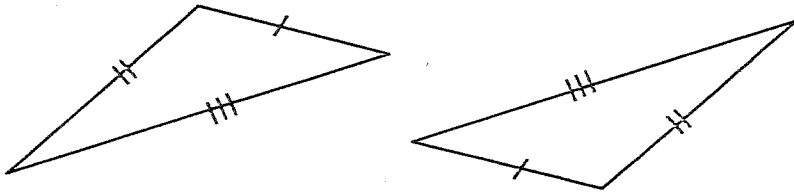
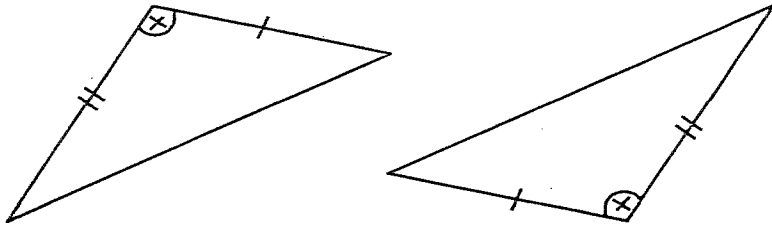


Two triangles are congruent if any one of the following is satisfied

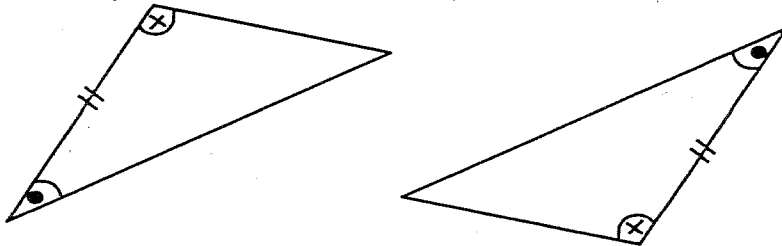
a) corresponding sides are equal (SSS):



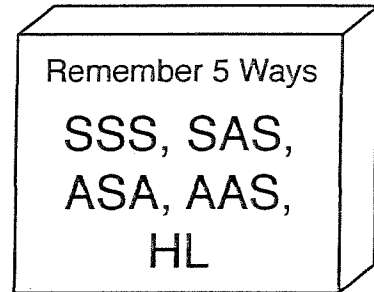
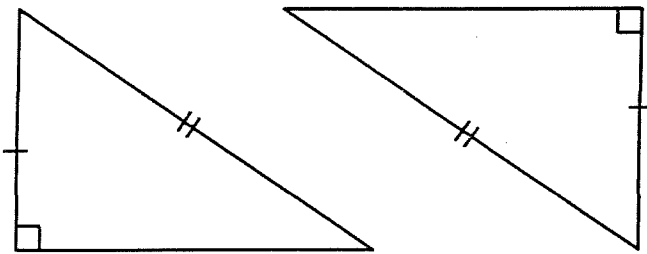
b) two sides and the included angle are equal (SAS)



c) two angles and a corresponding side are equal (ASA, AAS)



d) for right triangles, the hypotenuse and a corresponding side are equal



Note:

If  $\triangle ABC \cong \triangle PQR$ , then

$\angle A = \angle P$ ,  $\angle B = \angle Q$ ,  $\angle C = \angle R$

$AB = PQ$ ,  $BC = QR$ ,  $AC = PR$