In each of the following,write the correct answer:

1. Which of the following is not a criterion for congurence of triangles?
   (a) SAS
   (b) ASA
   (c) SSA
   (d) SSS
2. If $AB = QR$,$BC = PR$ and $CA = PQ$, then
   (a) $\triangle ABC \cong \triangle PQR$
   (b) $\triangle CBA \cong \triangle PRQ$
   (c) $\triangle BAC \cong \triangle RPQ$
   (d) $\triangle PQR \cong \triangle BCA$
3. In $\triangle ABC$,$AB = AC$ and $\angle$B=50°.Then $\angle$C is equal to
   (a) 40°
   (b) 50°
   (c) 80°
   (d) 130°
4. In $\triangle ABC$, $BC = AB$ and $\angle$B=80°.Then $\angle$A is equal to
   (a) 80°
   (b) 40°
   (c) 50°
   (d) 100°
5. In $\triangle PQR$, $\angle$R=$\angle$P and $QR = 4cm$ and $PR = 5cm$. Then the length of PQ is
   (a) $4cm$
   (b) $5cm$
   (c) $2cm$
   (d) $2.5cm$
6. D is a Point on the side BC of a $\triangle ABC$ such that AD bisects $\angle$BAC. Then
   (a) $BD = CD$
   (b) $BA > BD$
   (c) $BD > BA$
   (d) $CD > CA$

7. It is given that $\triangle ABC \cong \triangle FDE$ and $AB = 5cm$, $\angle$B=40° and $\angle$A=80°. Then which of the following is true?

   (a) DF = 5cm, $\angle F$=60°

   (b) DF = 5cm, $\angle E$=60°

   (c) DE = 5cm, $\angle E$=60°

   (d) DE = 5cm, $\angle D$=40°

8. Two sides of a triangle are of lengths 5cm and 1.5cm.The length of the third side of the triangle cannot be

   (a) 3.6cm

   (b) 4.1cm

   (c) 3.8cm

   (d) 3.4cm

9. In$\triangle PQR$, if $\angle R > \angle Q$,then

   (a) QR > PR

   (b) PQ > PR

   (c) PQ < PR

   (d) QR < PR

10. In triangles ABC and PQR, $AB = AC$, $\angle$C=$\angle$P and $\angle$B=$\angle$Q. The two triangles are

    (a) isosceles but not congruent

    (b) isosceles and congruent

    (c) congruent but not isosceles

    (d) neither congruent nor isosceles

11. In triangles ABC and DEF, $AB = FD$ and $\angle$A=$\angle$D. Then two triangles will be congruent by SAS axiom if

    (a) $BC = EF$

    (b) $AC = DE$

    (c) $AC = EF$

    (d) $BC = DE$