Subject: - Mathematics   **PRACTICE PAPER (MCQ)**   **CBSE-7th**

Topic: - Congruence Of Triangles

1. If ΔABC and ΔXYZ are equilateral triangles and $AB = XY$. The conditions under which $\Delta ABC \cong \Delta XYZ$ is: -   **Ans. (c)**

a) ASA   b) RHS   c) SSS   d) AAS

2. In the given figures what must be the value of x to prove $\Delta ABC \cong \Delta DEC$ by SAS?   **Ans. (b)**

a) 15°   b) 25°   c) 75°   d) 65°

3. In a ΔPQR , $\angle Q = 44°$ and $\angle P = 92°$. The pair of equal sides is: -   **Ans. (a)**

a) PQ and PR   b) QR and PQ   c) QR and PR   d) None

4. By which congruence condition are the two triangles in the given figure congruent? **Ans. (c)**

a) SAS   b) RHS   c) SSS   d) ASA

5. An exterior angle of a triangle is 105°. One of its interior opposite angle is 55° . The other interior opposite angle is _____.

6. In figure, the measure of x in degree is: -   **Ans. (b)**

a) 50°   b) 20°   c) 30°   d) 100°

7. In the given triangle, if $ZW = ZX,\ WY = WX$. Then $\angle WZX = ?$ **Ans. (c)**

a) 70°   b) 140°   c) 40°   d) 100°

8. The perimeter of a rectangle is 62 cm. If its length is 24 cm, the length of each of its diagonal is: -   **Ans. (b)**

a) 7 cm   b) 25 cm   c) 31 cm   d) 38 cm

9. $\angle A = 3y$ and $\angle B = 3\angle A$. Which value of y makes $\angle A$ supplementary to $\angle B$?   **Ans. (c)**

a) 10   b) 18   c) 15   d) 36

10. If $\Delta PQR = \Delta LMN$, then: -   **Ans. (c)**

a) PQ = LN   b) PQ = MN   c) PQ = LM   d) $\angle R = \angle L$