Q1. Define congruence of triangles.

Q2. Write criteria of congruence of a triangle.

Q3. Which congruence criteria do you use in the above figure.

\[ AB = PQ \; ; \; \text{Angle } B = \text{Angle } Q \; ; \; BC = QR \]

Q4. Give any three real-life example for congruent shape.

Q5. In order they are congruent & Write also criteria.

\[ AB = 5 \text{ cm} \; ; \; \text{angle } B = 50^0 \; ; \; BC = 5.5 \text{ cm} \; ; \; \text{& DF} = 5 \text{ cm} \; \text{angle } F = 50^0 \]

\[ \text{& FE} = 5.5 \text{ cm} \; , \; \text{then write the triangles in order they are congruent} \]

Q6. In the figure, \( AB = AC \) & \( AD \) is the bisector of angle \( BAC \).

i) State three pairs of equal parts in triangles \( ADB \) & \( ADC \).

ii) Is triangle \( ADB \) is congruent to triangle \( ADC \).

Q7. Which angle is included between \( DE \) & \( EF \) of triangle \( DEF \)?

Q8. In a squared sheet, draw two triangles of equal areas such that

i) the triangle are congruent.

ii) the triangles are not congruent.
What can you say about their perimeter?

Q9. If AC = DC; angle ABC = angle DBC & BC = BC
STATE THE CRITERIA OF THE CONGRUENCE.

Q10. If DA is perpendicular to AB & CB is perpendicular to BA & AC = BD
Then state which two triangle are congruent & by which criteria.