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#### WORK SHEET SUBJECT- MATHS

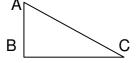
### **Chapter-7: Congruence of Triangle**

#### **CLASS-VII**

Q1. Define congruence of triangles.

Q2. Write criteria of congruence of a triangle.

Q3.



Ρ

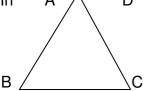


Which congruence criteria do you use in the above figure.

$$AB = PQ$$
; Angle  $B = Angle Q$ ;  $BC = QR$ 

Q 4. Give any three real life example for congruent shape.

Q5. In





AB = 5 cm; angle B = 
$$50^{\circ}$$
; BC = 5.5 cm; & DF = 5 cm angle F =  $50^{\circ}$ 

& FE = 5.5 cm, then write the triangles in order they are congruent & Write also criteria.

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.

Q 7. Which angle is included between DE & EF of triangle DEF?

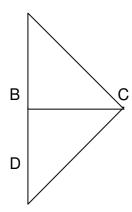
 $\ensuremath{\mathsf{Q}}$  8.In a squared sheet , draw two triangles of equal areas such that

- i) the triangle are congruent .
- ii) the triangles are not congruent.

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What can you say about their perimeter?

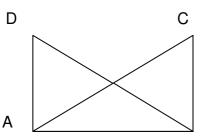
Q9. A



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.

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