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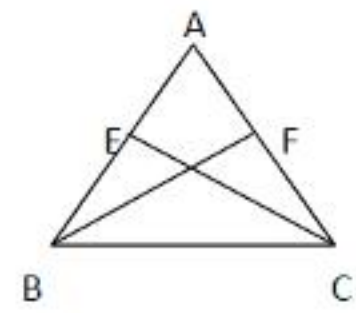
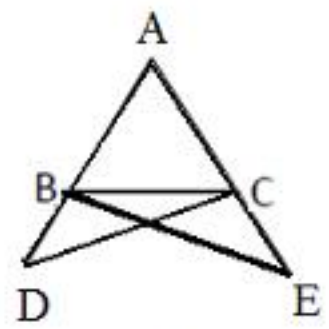
7th Congruence of triangle jsuniltutorial.weebly.com

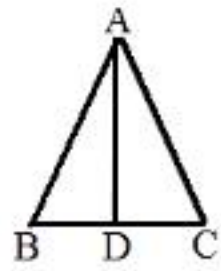
Q1. In given figure 01. AB=AC , E and F are mid point of AC and AB Prove that BC F CBE and BE = CF



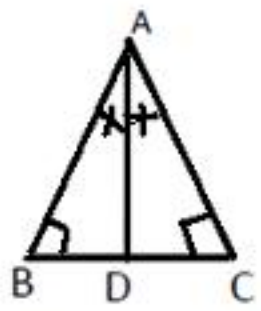
Q2. In given figure02. AB=AC, if AB and AC produce to D and E respectively such that BD=CE Prove that BE=CD



Q3. In figure AD is perpendicular bisector of BC Prove AB=AC



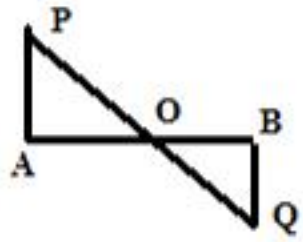
Q4. In given figure AD is bisector of <A of isosceles triangle AB=AC prove that <B=<C



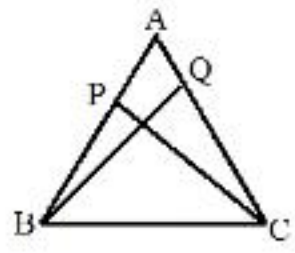
Q5. What are the conditions for congruency of triangle?

Q6. In a triangle ABC, AB=AC and BD=DC Prove that (i) Δ ADB= Δ ADC (ii) <ADB= <ADC

7. In given figure PA ⊥ AB and QB ⊥ AB and PA=QB Prove that ΔOAP =ΔBOQ

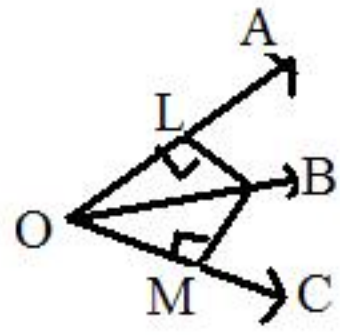


Q 8. In a triangle ABC, P and Q are points on equal sides AB and AC such that AP=AQ Prove that BQ= CP



Q9. Prove that in an isosceles triangle, the angles opposite to the equal sides are equal

Q 10. In given fig. PL⊥OA and PM⊥OB such that PL=PM. Is Δ PLO ≅ Δ PMO?



Q11. Fill in the blanks

1. Two square are congruent if they have same ---------- and ----

2. Two triangle are congruent if they have same -------- and ------

3. Two circle are congruent if they have same -------

4. Two line segments are congruent if they have ----------

5. Two angle are congruent if they have ---------- jsuniltutorial.weebly.com