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Assignment

Date: __ / __ / ____ **Name: _____** **Max Marks: 14**

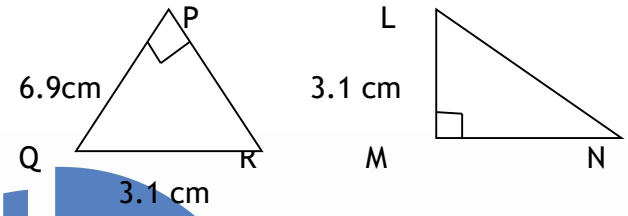
Section-A (One Marks Each)

1 If triangle ABC and triangle DEF are congruent under the correspondence: ABC ≅ FED
Write the parts of triangle ABC that corresponds to:
a) DE b) Angle E c) FD

2 How many altitudes can a triangle have?
(i) one (ii) two (iii) three (iv)four

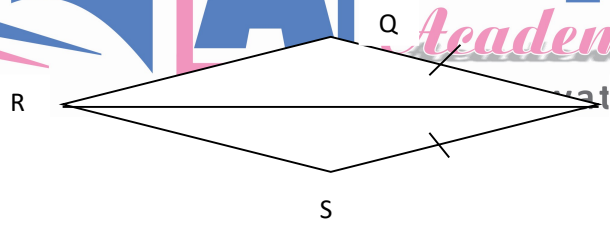
Section-B (Two Marks Each)

3 Find the measurement of the unknown side or angle marked by cross in the pairs of congruent triangles.

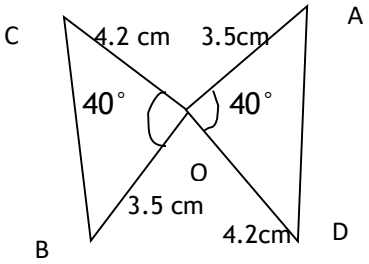


Section-C (Three Marks Each)

4 In fig, equal sides and angles have been marked by the same signs. Show that △PQR=△PSR and hence find the angles equal to <PQR and <PRS.



5 In fig, which pairs of triangles are congruent? Write the congruence in symbolic form.



Section-D (Four Marks Each)

6 In fig, BD and CE are altitudes of △ABC such that BD= CE.
(a) Is △CBD= △BCE?
(b) Is < DCB= < EBC?
Give reasons in support of your answer.