Activity Worksheet

Challenging brain

Sub : Mathematics **Grade: IX** **Date: .....**

Name: ..... **ID No.....**

Assignment

1. In triangles ABC and PQR, $\angle A = \angle Q$ and $\angle B = \angle R$. Which side of ΔPQR should be equal to side BC of ΔABC so that the two triangles are congruent? Give reason for your answer.

2. "If two sides and one angle of a triangle are equal to two sides and an angle of another triangle, then the two triangles must be congruent." Is the statement true? why?

3. State and prove ASA congruence theorem.

Sol.

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