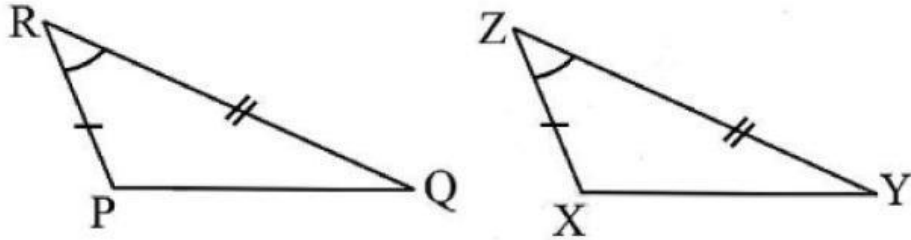


 Congruent Triangles - LIVE WORKSHEET

Name: _____ Date: _____

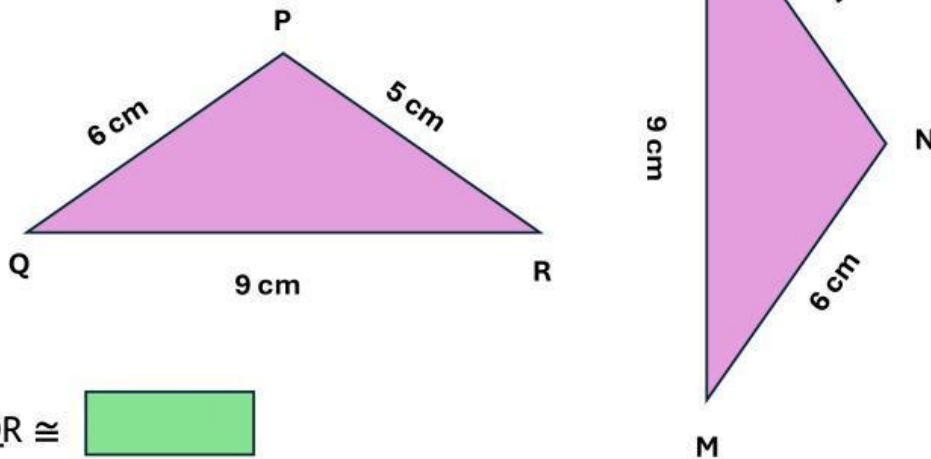
Q1. Write the rule of congruence in the following pairs of congruent triangles.

(i)



$\triangle QPR \cong$

(ii)



$\triangle PQR \cong$

Q2. If $\triangle ABC \cong \triangle DEF$, answer the following:

a) Which side corresponds to AB?

b) Which angle corresponds to $\angle B$?

Q3. In $\triangle LMN$ and $\triangle RST$:

$$LM = RS$$

$$\angle M = \angle S$$

$$MN = ST$$

a) Are the triangles congruent?

b) Which criterion proves it?

Q4. True or False

a) If three sides of one triangle are equal to three sides of another triangle, the triangles are congruent.

b) If two sides and a non-included angle are equal, triangles are always congruent.

Q5. You want to show that $\triangle ART \cong \triangle PEN$ by SAS criterion. You are given that $\angle T = \angle N$ and $RT = EN$. Which other side must be equal to satisfy the SAS criterion?

