

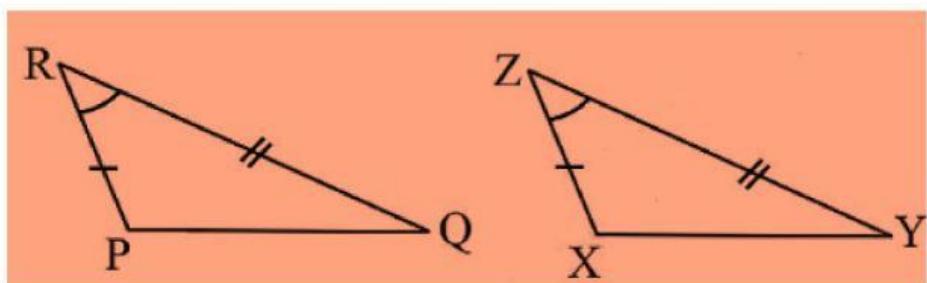


Congruent Triangles - LIVE WORKSHEET

Name: _____ Date: _____

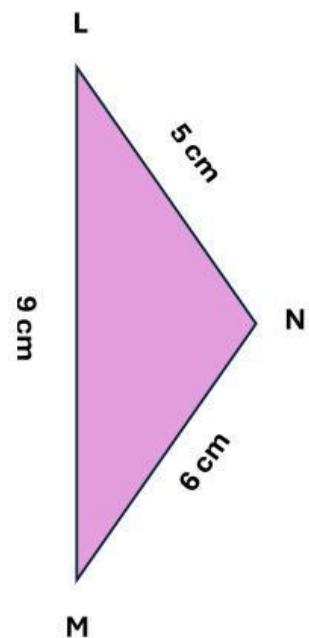
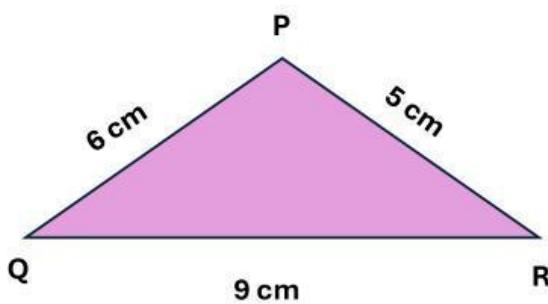
Q1. Write the rule of congruence in the following pairs of congruent triangles.

(i)



$$\Delta QPR \cong \Delta$$

(ii)



$$\Delta PQR \cong \Delta$$

Q2. If $\Delta ABC \cong \Delta DEF$, 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. To prove that $\triangle ART \cong \triangle PEN$ by the SAS criterion, the following must be true:

$\angle T = \angle N$, $RT = EN$, and _____ = _____.

