

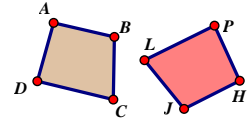
Quick Concept: A congruence statement relates the corresponding congruent parts of two shapes.

- 1) Two quadrilaterals are congruent. The following information is known about the two quadrilaterals; $\overline{TG} \cong \overline{RM}$, $\angle D \cong \angle F$, $\overline{DA} \cong \overline{FC}$, and $\angle GAD \cong \angle MCF$. Fill in the missing points in their corresponding places.

Quadrilateral ___ D ___ ___ \cong Quadrilateral ___ F ___ ___

- 2) Quadrilateral $ABCD$ is congruent to Quadrilateral $HJLP$. Complete the following congruent statements.

a) $\angle B \cong \angle$ ___ b) $\overline{LP} \cong$ ___ c) $\angle P \cong \angle$ ___ d) $\overline{DA} \cong$ ___



- 3) $\triangle ABC$ is congruent to another triangle. Provided is some information about the two triangles, $\overline{AB} \cong \overline{AG}$ and $\angle C \cong \angle R$. From this information determine the triangle congruence statement.

$\triangle ABC \cong \triangle$ _____

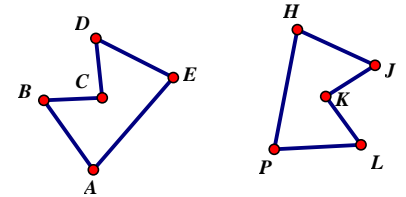
- 4) $\triangle DEF$ is congruent $\triangle MNP$. Complete the following congruent statements.

a) $\angle F \cong \angle$ ___ b) $\overline{NP} \cong$ ___ c) $\angle M \cong \angle$ ___ d) $\overline{FD} \cong$ ___

- 5) Pentagon $ABCDE$ is congruent to Pentagon $HJKLP$. Complete the following congruent statements.

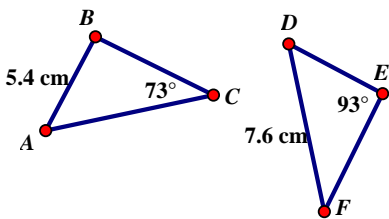
$\angle B \cong \angle$ _____ $\overline{KL} \cong$ _____

$\angle J \cong \angle$ _____ $\overline{DE} \cong$ _____



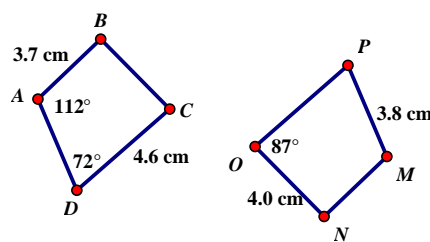
- 6) Determine the missing information.

$\triangle ABC \cong \triangle DEF$



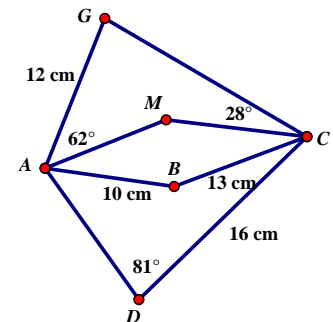
$m\angle B =$ _____ $AC =$ _____
 $m\angle F =$ _____ $DE =$ _____

Quad $ABCD \cong$ Quad $MNOP$



$m\angle M =$ _____ $OP =$ _____
 $m\angle C =$ _____ $AD =$ _____

Quad $ABCD \cong$ Quad $AMCG$



$m\angle DAB =$ _____ $MC =$ _____
 $m\angle BCD =$ _____ $AM =$ _____