

**SECTION 5.2: CONGRUENT POLYGONS**

Homework: \_\_\_\_\_

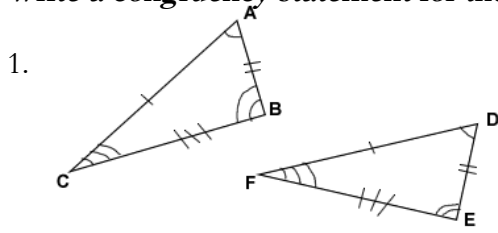
**Learning Targets:**

- 5d. Understanding of how to read and write congruency statements.
- 5e. Understanding of how to find missing measures or solve equations for congruent polygons

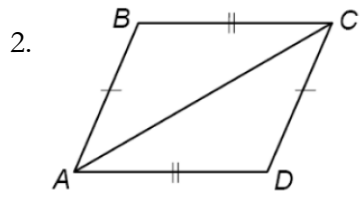
**Vocabulary:**

Corresponding Parts

*Write a congruency statement for the given congruent triangles.*



$\triangle ABC \cong \triangle$  \_\_\_\_\_



$\triangle$  \_\_\_\_\_  $\cong \triangle$  \_\_\_\_\_

*Given that polygon DEFG  $\cong$  LMNP, answer questions 3 – 8.*

- 3.  $m\angle L =$  \_\_\_\_\_
- 4.  $\overline{DE} \cong$  \_\_\_\_\_
- 5.  $\angle E \cong$  \_\_\_\_\_
- 6.  $MNPL \cong$  \_\_\_\_\_
- 7.  $m\angle F =$  \_\_\_\_\_
- 8. Solve for  $x$

