Name:_____ Date:_____
Geometry Band:_____

Unit 4: Congruent Triangles

LT#1: Recognize congruent figures and their corresponding parts.

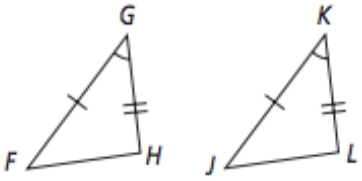
1. If $\Delta ABC \cong \Delta DEF$, which statement is NOT a correct congruence statement?

A. $\angle B \cong \angle E$
B. $\overline{AB} \cong \overline{EF}$
C. $\overline{CA} \cong \overline{FD}$
D. $\angle A \cong \angle D$

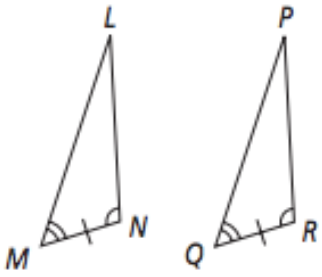
2. Draw $\Delta ABC \cong \Delta EFG$. Write all six congruence statements.

LT#2: Prove two triangles congruent using SSS and SAS Postulates.
LT#3: Prove two triangles congruent using the ASA Postulate and the AAS Theorem.

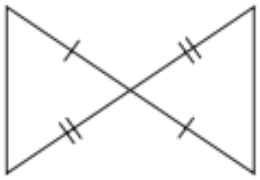
3. What triangle congruence postulate or theorem can be used to justify $\Delta FGH \cong \Delta JKL$?



4. Which postulate can be used to justify stating that $\Delta LMN \cong \Delta PQR$?

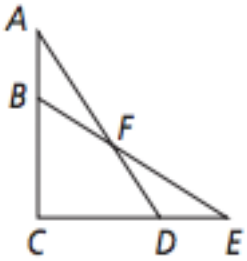


5. How can you prove that the two triangle are congruent?



LT#7: Identify congruent overlapping triangles.

6. Use the figure for A-C.
Given: $\overline{AB} \cong \overline{ED}, \overline{BC} \cong \overline{DC}$



A. Which reason could you use to prove $\overline{AC} \cong \overline{EC}$?

B. Which reason could you use to prove $\angle C \cong \angle C$?

C. Which reason could you use to prove $\Delta ACD \cong \Delta ECB$?