Name: _____
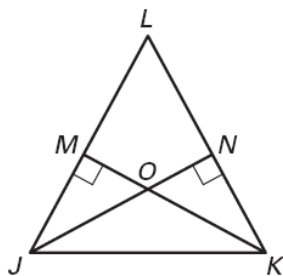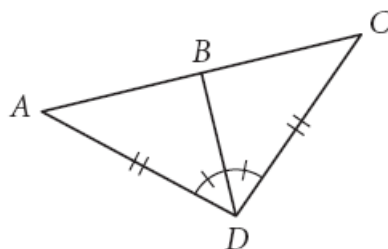
Congruent Right Triangles

Exercise 1: Given: $\overline{KM} \perp \overline{JL}$, $\overline{JN} \perp \overline{LK}$, $\overline{KM} \cong \overline{JN}$. Prove: $\overline{JL} \cong \overline{KL}$

Exercise 2: Write a two – column proof to show that $\overline{AB} \cong \overline{CB}$

Exercise 3: For what values of *x* and *y* can the triangles be proven congruent by the HL theorem.