LESSON 5.4

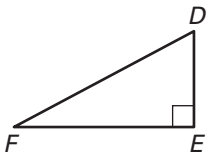
NAME _____ DATE _____

Practice A

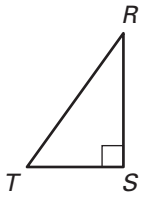
For use with pages 257–264

Tell whether the segment is a *leg* or the *hypotenuse* of the right triangle.

1. $\overline{FE}$
2. $\overline{ED}$
3. $\overline{FD}$

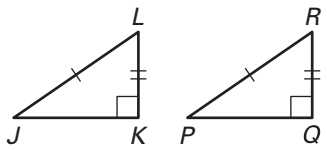


4. $\overline{RT}$
5. $\overline{RS}$
6. $\overline{TS}$



Determine whether you can use the HL Congruence Theorem to show that the triangles are congruent. Explain your reasoning.

7.



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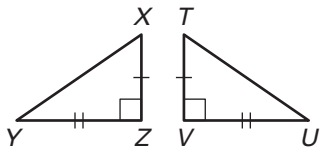

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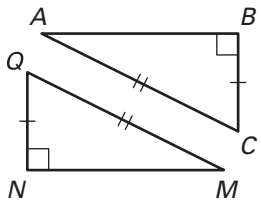

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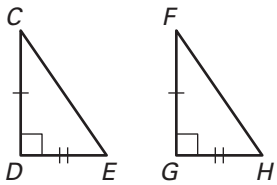

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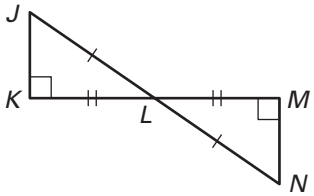

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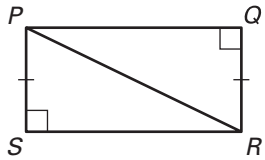
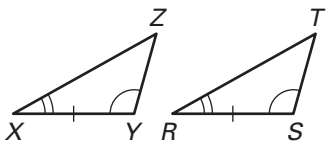


Decide whether enough information is given to show that the triangles are congruent. If so, state the postulate or theorem you would use.

13.



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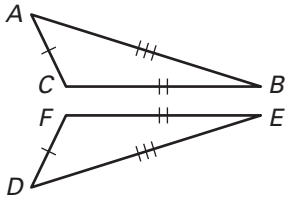

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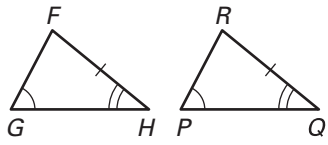

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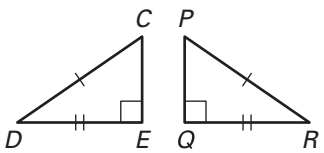

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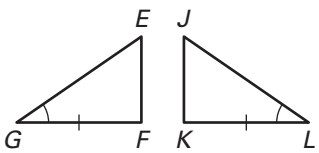

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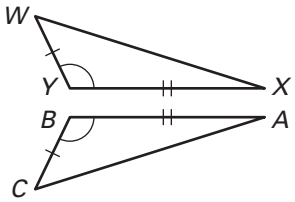
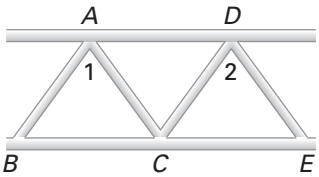


The sketch at the right shows a portion of a porch railing. You want to show that $\triangle BAC \cong \triangle CDE$.



19. If $\angle 1$ and $\angle 2$ are right angles and $\overline{AB} \cong \overline{DC}$, what information would you need to use the HL Congruence Theorem?

20. If $\angle 1$ and $\angle 2$ are right angles and $\overline{AC} \cong \overline{DE}$, what information would you need to use the HL Congruence Theorem?