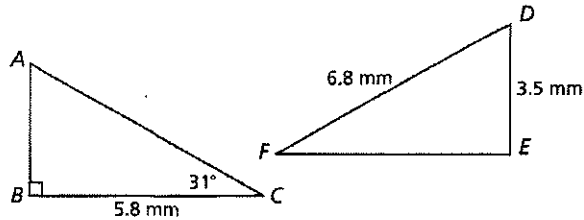


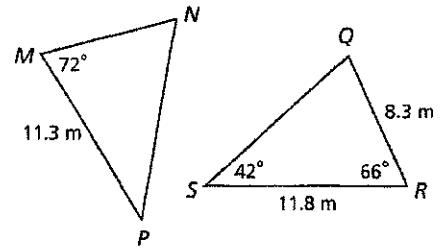
# PRACTICE

1.  $\triangle ABC \cong \triangle DEF$ . Find  $AB$  and  $m\angle E$ .



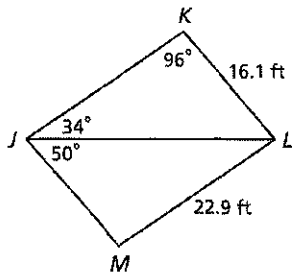
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2.  $\triangle MNP \cong \triangle QRS$ . Find  $NP$  and  $m\angle P$ .



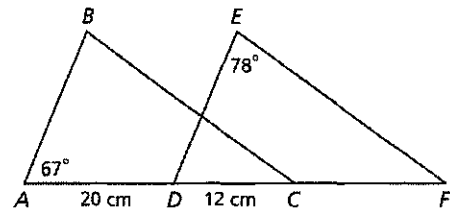
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3.  $\triangle JKL \cong \triangle LMJ$ . Find  $JK$  and  $m\angle JLM$ .



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4.  $\triangle ABC \cong \triangle DEF$ . Find  $DF$  and  $m\angle EDC$ .



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For each given congruence statement, write six congruence statements about corresponding parts.

5.  $\triangle JWT \cong \triangle GKH$

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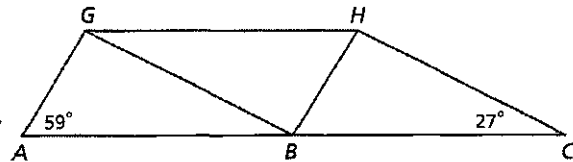
6.  $\triangle PQL \cong \triangle KYU$

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7.  $\triangle HTJ \cong \triangle NRZ$

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8. The figure shows a portion of the truss of a bridge.  $\triangle ABG \cong \triangle BCH \cong \triangle HGB$ .



a. Is it possible to determine  $m\angle GBH$ ? If so, how? If not, why not?

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b. A student claims that  $B$  is the midpoint of  $\overline{AC}$ . Do you agree? Explain.

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