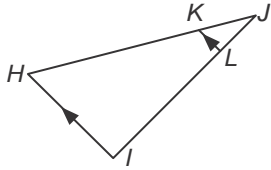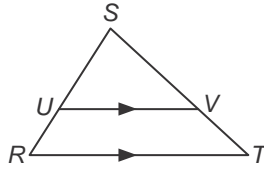## 7-4 Skills Practice

Parallel Lines and Proportional Parts

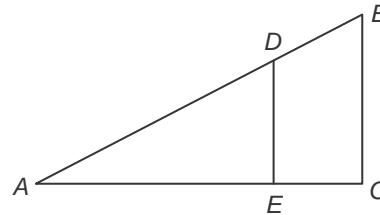**1.** If $JK = 7$, $KH = 21$, and $JL = 6$, find LI.

2. If $RU = 8$, $US = 14$, $TV = x - 1$, and $VS = 17.5$, find x and TV.

Determine whether $\overline{BC} \parallel \overline{DE}$. Justify your answer.

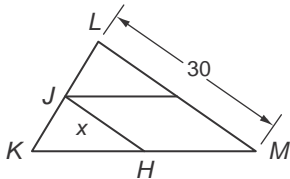**3.** $AD = 15$, $DB = 12$, $AE = 10$, and $EC = 8$

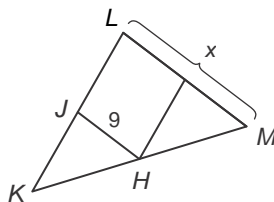**4.** $BD = 9$, $BA = 27$, and $CE = \frac{1}{3} EA$

5. $AE = 30$, $AC = 45$, and $AD = 2DB$

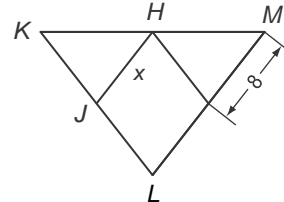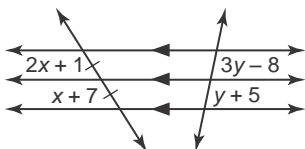**$\overline{JH}$ is a midsegment of $\triangle KLM$. Find the value of x.**

6.

7.

8.

ALGEBRA Find x and y.

9.

10.