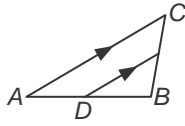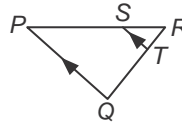## 7-4 Practice

Parallel Lines and Proportional Parts

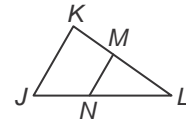**1.** If $AD = 24$, $DB = 27$, and $EB = 18$, find CE.

2. If $QT = x + 6$, $SR = 12$, $PS = 27$, and $TR = x - 4$, find QT and TR.

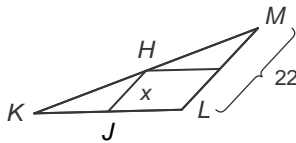**Determine whether $\overline{JK} \parallel \overline{NM}$. Justify your answer.**

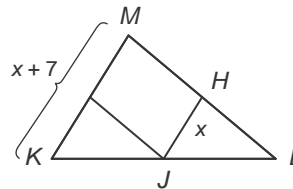**3.** $JN = 18$, $JL = 30$, $KM = 21$, and $ML = 35$

4. $KM = 24$, $KL = 44$, and $NL = \dfrac{5}{6} JN$

$\overline{JH}$ is a midsegment of $\triangle KLM$. Find the value of x.
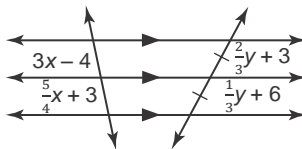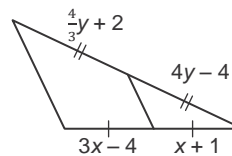
5.

6.

7. Find x and y.

8. Find x and y.

9. MAPS On a map, Wilmington Street, Beech Drive, and Ash Grove Lane appear to all be parallel. The distance from Wilmington to Ash Grove along Kendall is 820 feet and along Magnolia, 660 feet. If the distance between Beech and Ash Grove along Magnolia is 280 feet, what is the distance between the two streets along Kendall?