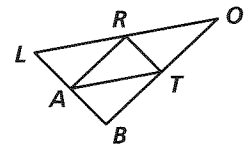
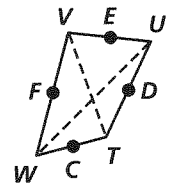
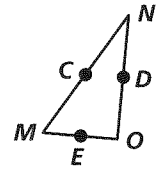


Practice 5-1

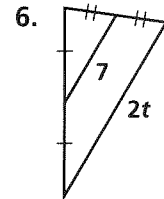
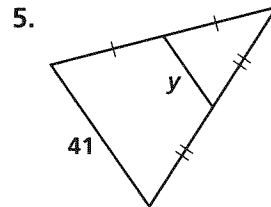
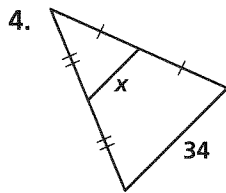
Midsegments of Triangles

Use the diagrams at the right to complete the exercises.

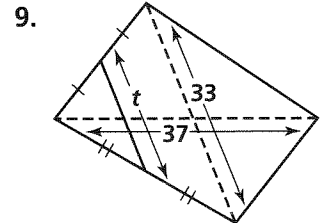
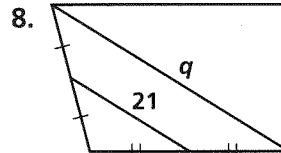
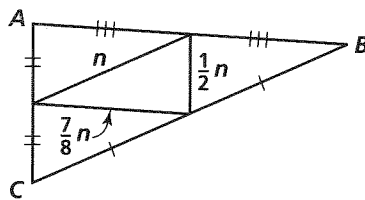
- In $\triangle MNO$, the points C , D , and E are midpoints. $CD = 4$ cm, $CE = 8$ cm, and $DE = 7$ cm.
 - Find MO .
 - Find NO .
 - Find MN .
- In quadrilateral $WVUT$, the points F , E , D , and C are midpoints. $WU = 45$ in. and $TV = 31$ in.
 - Find CD .
 - Find CF .
 - Find ED .
- In $\triangle LOB$, the points A , R , and T are midpoints. $LB = 19$ cm, $LO = 35$ cm, and $OB = 29$ cm.
 - Find RT .
 - Find AT .
 - Find AR .



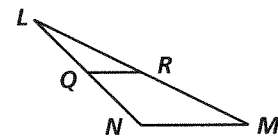
Find the value of the variable.



7. Perimeter of $\triangle ABC = 32$ cm



- \overline{QR} is a midsegment of $\triangle LMN$.
 - $QR = 9$. Find NM .
 - $LN = 12$ and $LM = 31$. Find the perimeter of $\triangle LMN$.



Use the given measures to identify three pairs of parallel segments in each diagram.

