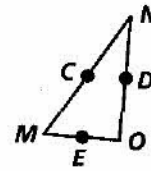


Practice 5-1

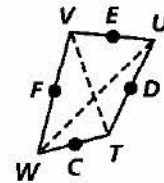
Midsegments of Triangles

Use the diagrams at the right to complete the exercises.

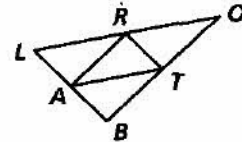
1. In $\triangle MNO$, the points $C, D,$ and E are midpoints. $CD = 4$ cm, $CE = 8$ cm, and $DE = 7$ cm.
- a. Find MO . b. Find NO . c. Find MN .



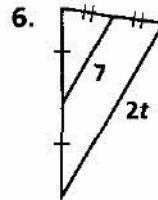
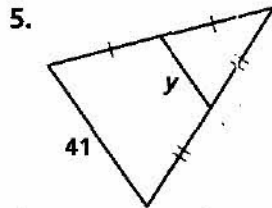
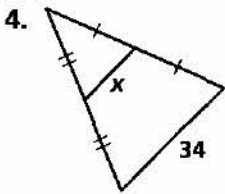
2. In quadrilateral $WVUT$, the points $F, E, D,$ and C are midpoints. $WU = 45$ in. and $TV = 31$ in.
- a. Find CD . b. Find CF . c. Find ED .



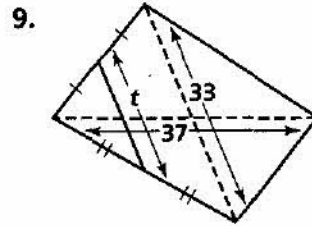
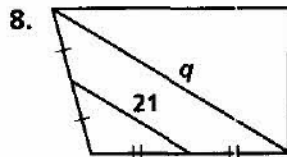
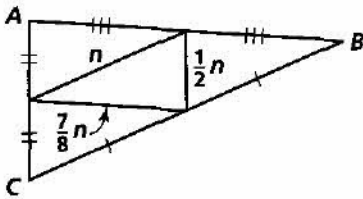
3. In $\triangle LOB$, the points $A, R,$ and T are midpoints. $LB = 19$ cm, $LO = 35$ cm, and $OB = 29$ cm.
- a. Find RT . b. Find AT . c. Find AR .



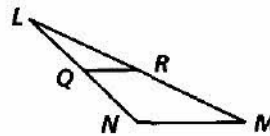
Find the value of the variable.



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



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



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

