

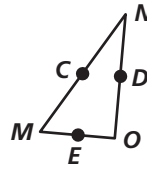
Practice 5-1

Midsegments of Triangles

Use the diagrams at the right to complete the exercises.

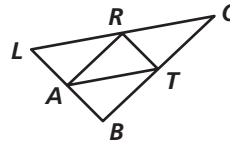
1. In $\triangle MNO$, the points C , D , and E are midpoints. $CD = 4$ cm, $CE = 8$ cm, and $DE = 7$ cm.

- Find MO . _____
- Find NO . _____
- Find MN . _____



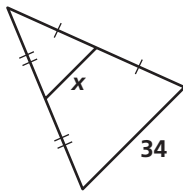
2. In $\triangle LOB$, the points A , R , and T are midpoints. $LB = 19$ cm, $LO = 35$ cm, and $OB = 29$ cm.

- Find RT . _____
- Find AT . _____
- Find AR . _____

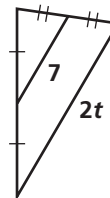


Find the value of the variable.

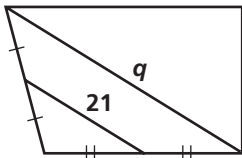
3. _____



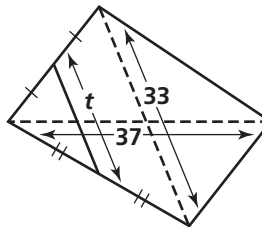
4. _____



5. _____

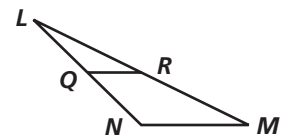


6. _____



7. \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.

8. _____

