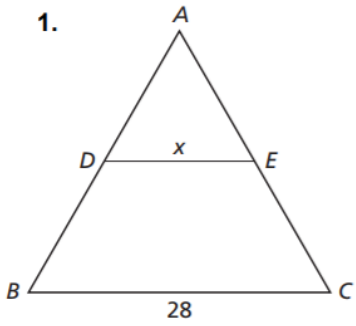
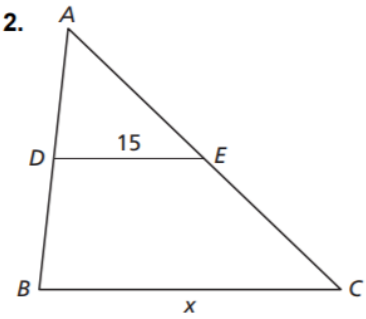
Geometry
Section 6.4 Practice

$\overline{DE}$ is the midsegment of ΔABC. Solve for x.

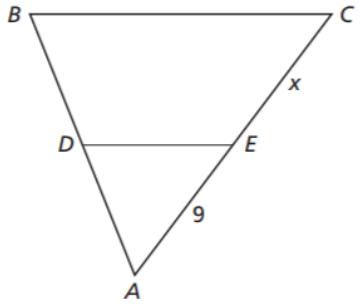
1.



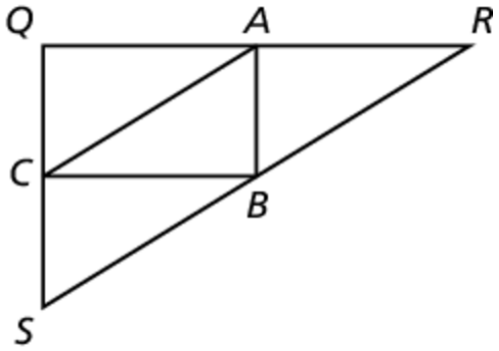
2.



3.



Points A, B, and C are midpoints of the sides for ΔQRS. Use the diagram below to determine the missing values.



4. If AB = 16, QS = _____

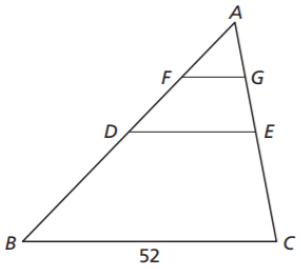
5. If SR = 68, CA = _____

6. If SR = 46, BR = _____

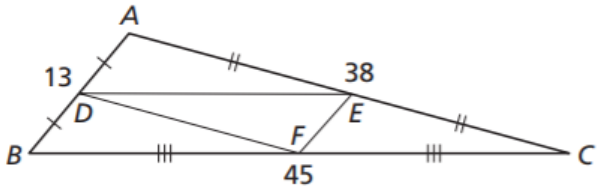
7. If CA = $3x - 1$ and SR = $5x + 4$, solve for x.

8. If QR = $5x + 2$ and CB = $2x + 5$, solve for x AND find AR

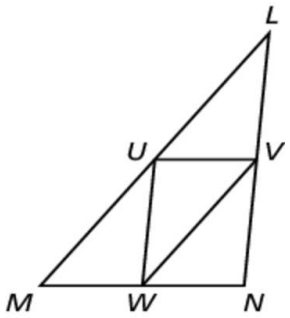
9. In the diagram below, $\overline{DE}$ is a midsegment for ΔABC, and $\overline{FG}$ is a midsegment of ΔADE. Find FG



10. Determine the perimeter of ΔDEF.



11. If LU = $2(x-5)$ and VW = $8-x$, solve for x.



12. If UV = $2y+14$ and MN = $13-y$, what is WN?