

Name _____

Date _____

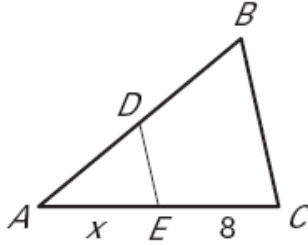
LESSON 5.1

Practice B

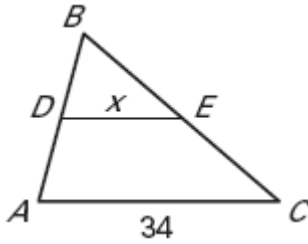
For use with pages 294–301

\overline{DE} is a midsegment of $\triangle ABC$. Find the value of x .

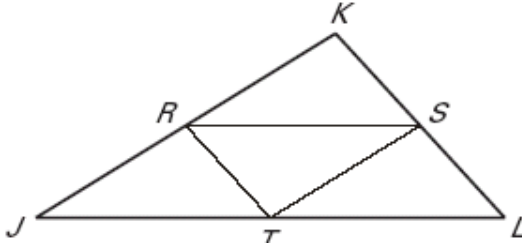
1.



2.

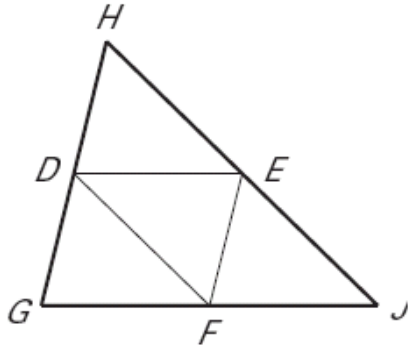


In $\triangle JKL$, $\overline{JR} \cong \overline{RK}$, $\overline{KS} \cong \overline{SL}$, and $\overline{JT} \cong \overline{TL}$. Copy and complete the statement.



4. $\overline{RS} \parallel$ _____
5. $\overline{ST} \parallel$ _____
6. $\overline{KL} \parallel$ _____
7. $\overline{SL} \cong$ _____ \cong _____
8. $\overline{JR} \cong$ _____ \cong _____
9. $\overline{JT} \cong$ _____ \cong _____

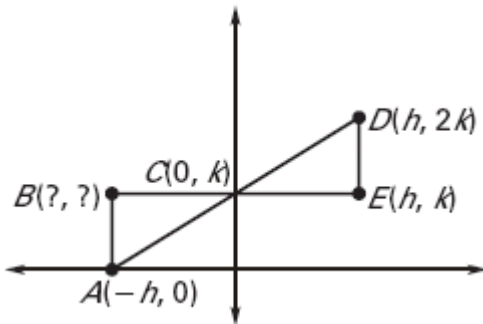
Use $\triangle GHJ$, where D , E , and F are midpoints of the sides.



10. If $DE = 4x + 5$ and $GJ = 3x + 25$, what is DE ?
11. If $EF = 2x + 7$ and $GH = 5x - 1$, what is EF ?
12. If $HJ = 8x - 2$ and $DF = 2x + 11$, what is HJ ?

Find the unknown coordinates of the point(s) in the figure. Then show that the given statement is true.

13. $\triangle ABC \cong \triangle DEC$



14. $\overline{PT} \cong \overline{SR}$

