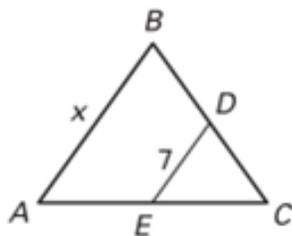
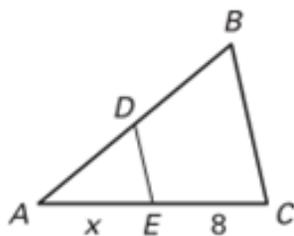


$\overline{DE}$  is a midsegment of  $\triangle ABC$ . Find the value of  $x$ .

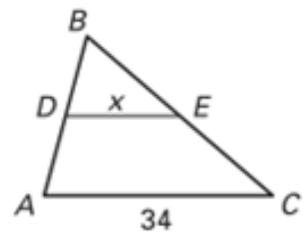
1.



2.



3.



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.  $\overline{RS} \parallel \underline{\hspace{1cm}}?$

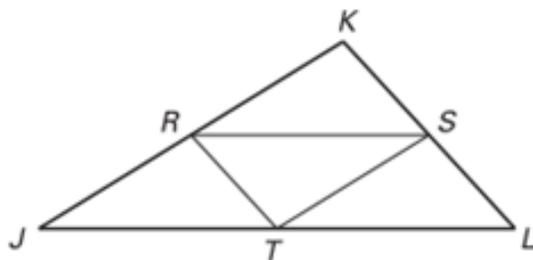
5.  $\overline{ST} \parallel \underline{\hspace{1cm}}?$

6.  $\overline{KL} \parallel \underline{\hspace{1cm}}?$

7.  $\overline{SL} \cong \underline{\hspace{1cm}}? \cong \underline{\hspace{1cm}}?$

8.  $\overline{JR} \cong \underline{\hspace{1cm}}? \cong \underline{\hspace{1cm}}?$

9.  $\overline{JT} \cong \underline{\hspace{1cm}}? \cong \underline{\hspace{1cm}}?$

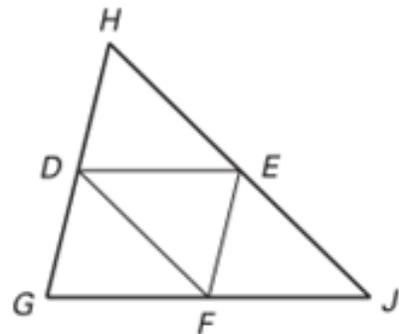


Use  $\triangle GHJ$ , where  $D$ ,  $E$ , and  $F$  are midpoints of the sides.

14. If  $DE = 4x + 5$  and  $GJ = 3x + 25$ , what is  $DE$ ?

15. If  $EF = 2x + 7$  and  $GH = 5x - 1$ , what is  $EF$ ?

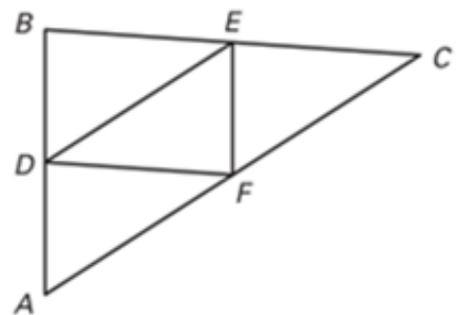
16. If  $HJ = 8x - 2$  and  $DF = 2x + 11$ , what is  $HJ$ ?



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

5. If  $FE = 6.5x - 10$  and  $AB = 3x + 20$ , then  $AB = \underline{\hspace{1cm}}?$

6. If  $DF = 3.5x + 6$  and  $BC = 3x + 36$ , then  $DF = \underline{\hspace{1cm}}?$



Find the unknown coordinates of the points in the figure.

