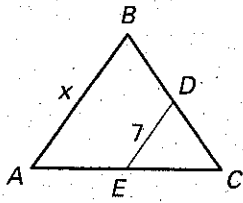
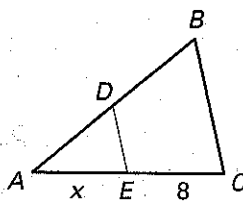


$\overline{DE}$  is a midsegment of  $\triangle ABC$ . Find the value of  $x$ .

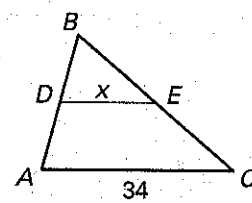
1.



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.  $\overline{RS} \parallel$  ?

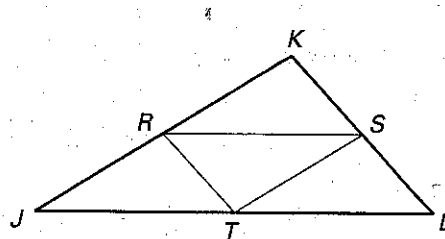
5.  $\overline{ST} \parallel$  ?

6.  $\overline{KL} \parallel$  ?

7.  $\overline{SL} \cong$  ?  $\cong$  ?

8.  $\overline{JR} \cong$  ?  $\cong$  ?

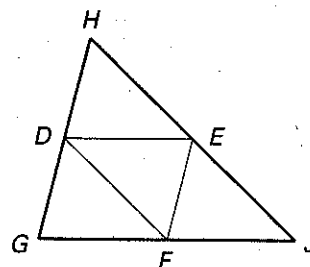
9.  $\overline{JT} \cong$  ?  $\cong$  ?



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

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

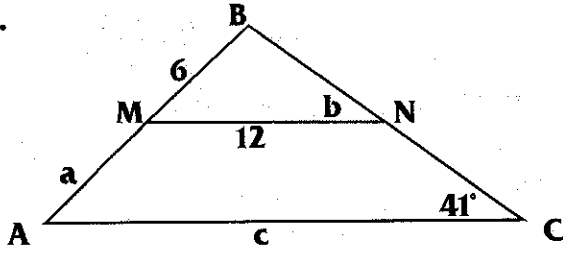
11. If  $EF = 2x + 7$  and  $GH = 5x - 1$ , what is  $EF$ ?



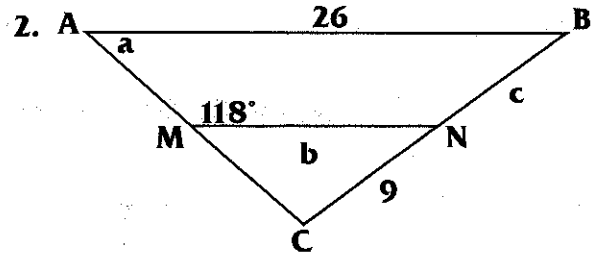
12. If  $HJ = 8x - 2$  and  $DF = 2x + 11$ , what is  $HJ$ ?

Find the value of each variable below. In each problem  $\overline{MN}$  is a midsegment of the triangle. The diagrams are not drawn to scale.

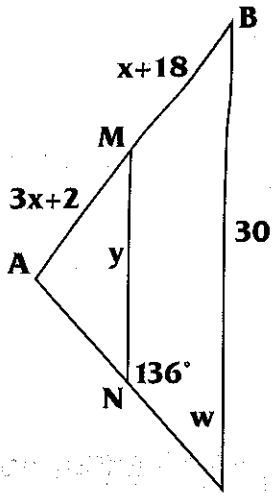
1.



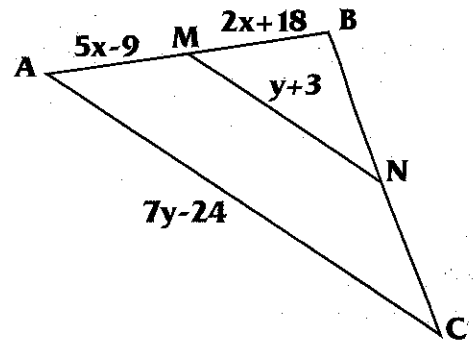
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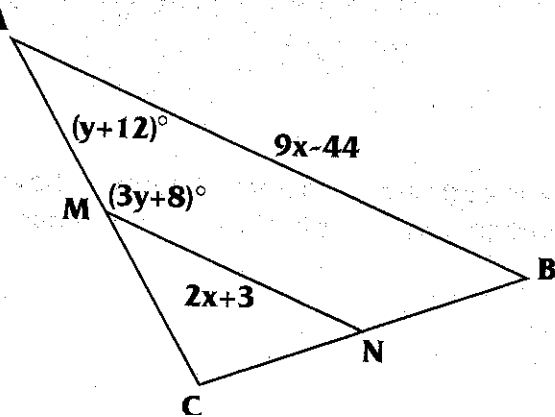
3.



4.



5.



6.

