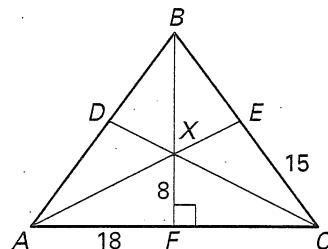


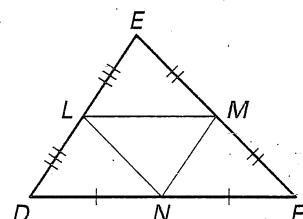
**Cumulative Review**

For use after Chapters 1-5

$X$  is the centroid of  $\triangle ABC$ ,  $\overline{BF} \perp \overline{AC}$ ,  $XF = 8$ ,  $EC = 15$ ,  $AF = 18$ , and  $AB \cong BC$ . (5.3)

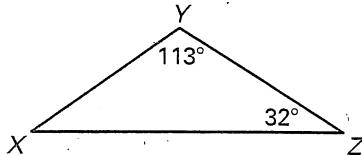
18. Find the length of  $\overline{BX}$ .19. Find the length of  $\overline{FC}$ .20. Find the length of  $\overline{BC}$ .21. Find the perimeter of  $\triangle ABC$ .

Complete the statements using  $\triangle DEF$  where  $L$ ,  $M$  and  $N$  are midpoints of each side. (5.4)

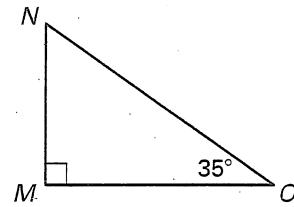
22.  $\overline{LN} \parallel ?$ 23.  $\overline{MN} \parallel ?$ 24. If  $DF = 26$ , then  $LM = ?$ 25. If  $EM = 10$ , then  $LN = ?$ 26. If perimeter of  $\triangle DEF = 60$ , then perimeter of  $\triangle LMN = ?$ 

Line the shortest and longest side of the triangle. (5.5)

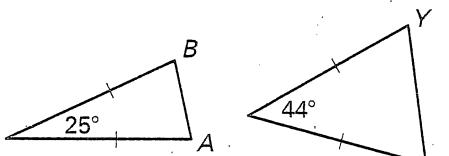
27.



28.



Complete each \_\_\_\_\_ with  $<$ ,  $>$ , or  $=$ . (5.6)

29.  $AB$  \_\_\_\_\_  $XY$ 30.  $m\angle 1$  \_\_\_\_\_  $m\angle 2$ 