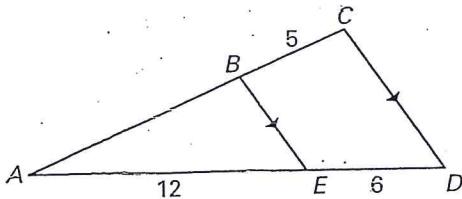


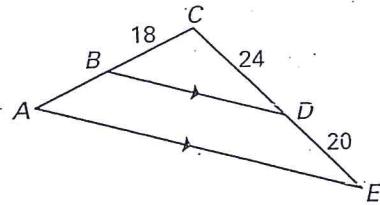
# Sec 8.6 Practice

**Find the length of  $\overline{AE}$ .**

1.



2.



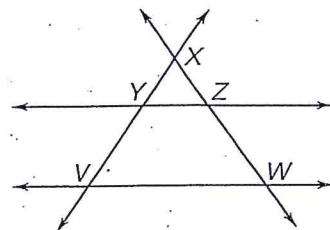
**Use the given information to determine whether  $\overline{YZ} \parallel \overline{VW}$ . If so, state the reason.**

7.  $\frac{XY}{XV} = \frac{XZ}{XW}$

8.  $\frac{XY}{YV} = \frac{XZ}{ZW}$

9.  $\triangle XYZ \sim \triangle XZW$

10.  $\angle VYZ \cong \angle WZY$



**Use the figure to match the segment with its length.**

11.  $\overline{GF}$

A. 9

12.  $\overline{FC}$

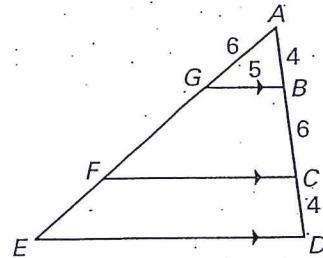
B. 12.5

13.  $\overline{ED}$

C. 6

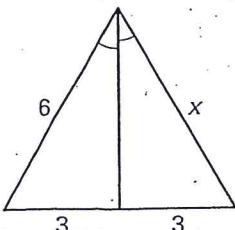
14.  $\overline{FE}$

D. 17.5

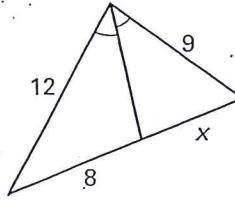


**Find the value of  $x$ .**

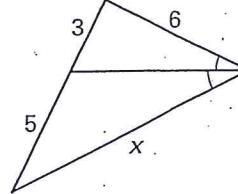
15.



16.

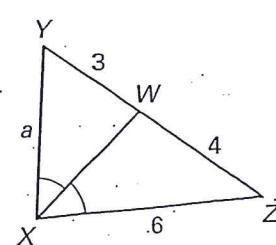


17.

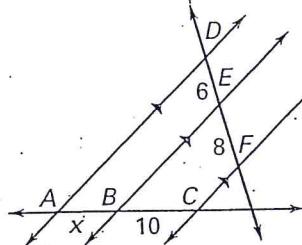


**Find the value of the variable.**

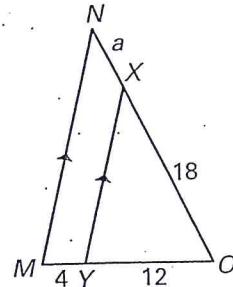
18.



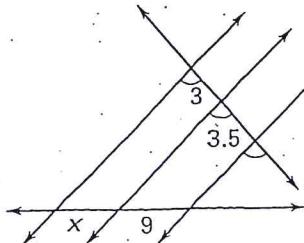
19.



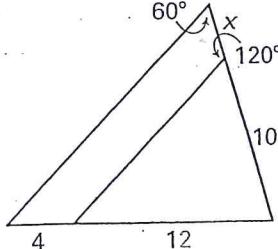
20.



21.



22.



23.

