

Practice C

For use with pages 498–505

Use the figure to complete the proportions.

1. $\frac{EF}{FG} = \frac{BA}{?}$

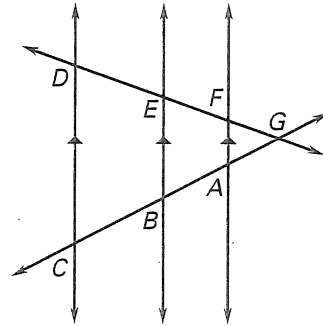
2. $\frac{CB}{BA} = \frac{?}{EF}$

3. $\frac{EB}{FA} = \frac{?}{FG}$

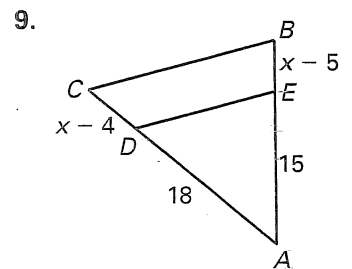
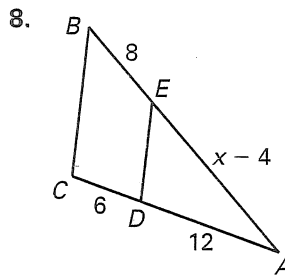
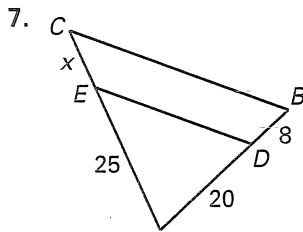
4. $\frac{EG}{ED} = \frac{?}{CB}$

5. $\frac{DC}{FA} = \frac{?}{AG}$

6. $\frac{GF}{FA} = \frac{GD}{?}$



Determine a value of the variable so that $\overline{DE} \parallel \overline{BC}$.



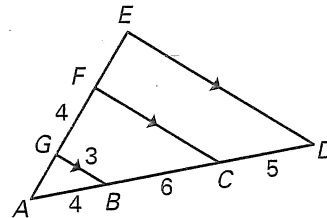
Determine the length of each segment.

10. \overline{AG}

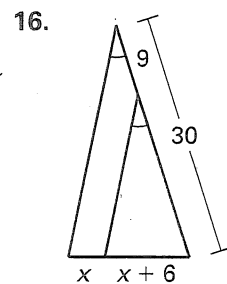
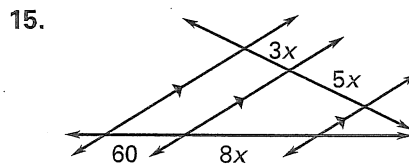
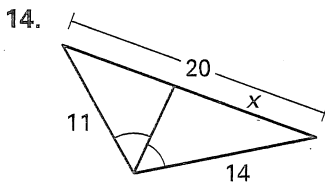
11. \overline{FC}

12. \overline{ED}

13. \overline{AE}



Find the value of the variable.



Write a two-column or a paragraph proof.

17. Given: \overline{WZ} bisects $\angle XZY$.

$XW = WY$

Prove: $XZ = ZY$

