

Name _____

Date _____

LESSON 6.6

Practice C

For use with pages 396–403

Use the figure to complete the proportion.

1. $\frac{CB}{BA} = \frac{\quad}{EF}$

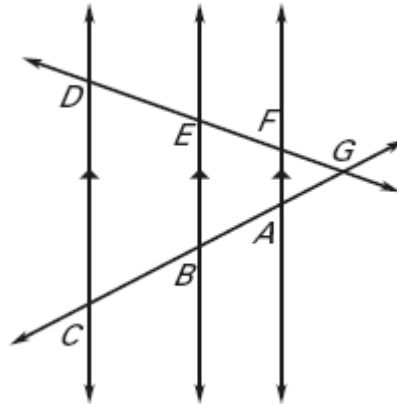
2. $\frac{EB}{FA} = \frac{\quad}{FG}$

3. $\frac{EG}{ED} = \frac{\quad}{CB}$

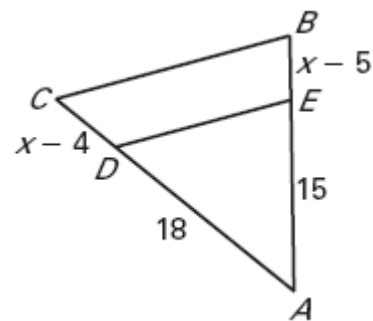
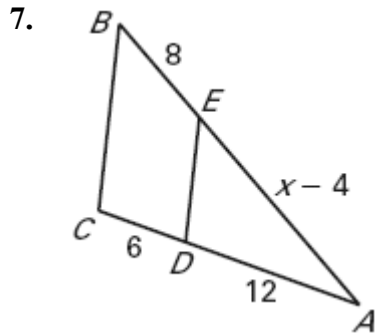
4. $\frac{DC}{FA} = \frac{\quad}{AG}$

5. $\frac{EF}{FG} = \frac{BA}{\quad}$

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



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



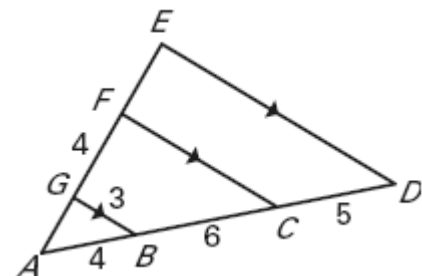
Determine the length of each segment.

9. \overline{AG}

10. \overline{FC}

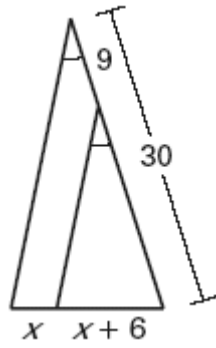
11. \overline{ED}

12. \overline{AE}

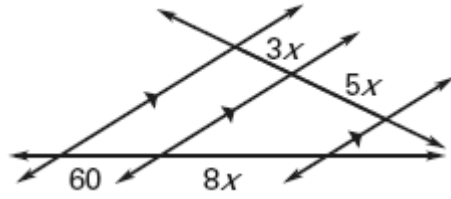


Find the value of the variable.

13.



14.



15. **Proof** Write a two-column or paragraph proof.

GIVEN: $\overline{GB} \parallel \overline{FC} \parallel \overline{ED}$

PROVE: $\triangle ABG \sim \triangle ADE$

Statement	Reason

