

Practice B

For use with pages 498-505

Use the figure to complete the proportions.

1. $\frac{MN}{NO} = \frac{MJ}{?}$

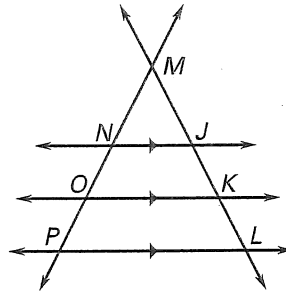
2. $\frac{JK}{KL} = \frac{?}{OP}$

3. $\frac{NJ}{OK} = \frac{MJ}{?}$

4. $\frac{PL}{NJ} = \frac{?}{MN}$

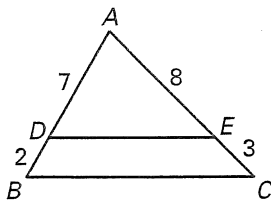
5. $\frac{OK}{PL} = \frac{MO}{?}$

6. $\frac{MJ}{ML} = \frac{?}{LP}$

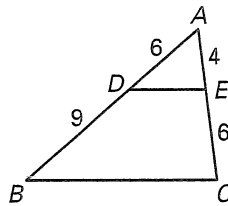


Determine whether the given information implies $\overline{BC} \parallel \overline{DE}$. Explain.

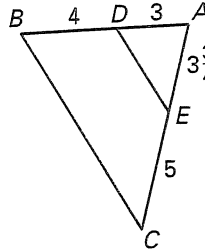
7.



8.



9.



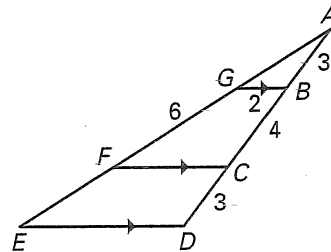
Determine the length of each segment.

10. \overline{AG}

11. \overline{FC}

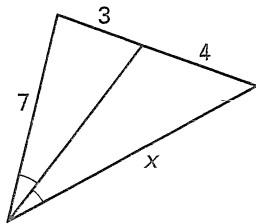
12. \overline{ED}

13. \overline{AE}

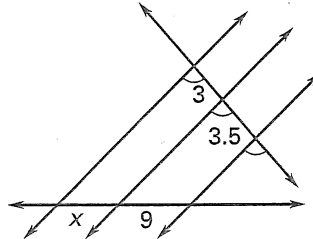


Find the value of the variable.

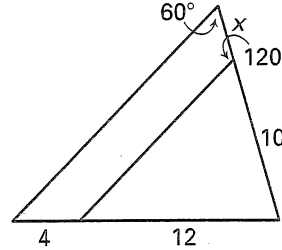
14.



15.



16.



Write a two-column or a paragraph proof.

17. Given: $\overline{GB} \parallel \overline{FC} \parallel \overline{ED}$

Prove: $\triangle ABG \sim \triangle ADE$

