

Answer Key

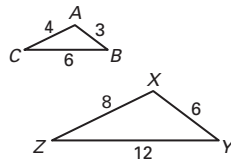
Chapter 8

Lesson 8.5

Practice B

1. SSS Similarity Theorem; $\triangle ABC \sim \triangle XYZ$
2. SAS Similarity Theorem; $\triangle QNM \sim \triangle ONP$
3. AA Similarity Postulate; $\triangle DEH \sim \triangle DFG$
4. no
5. yes; $\triangle RDM \sim \triangle SXT$; AA Similarity Postulate

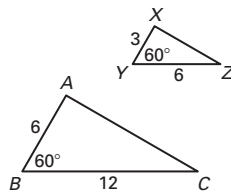
6.



SSS Similarity Thm.

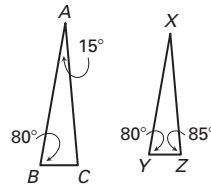
Postulate

8.



SAS Similarity Theorem

7.



AA Similarity

9. $\triangle CED$
10. 44°
11. 68°
12. 20
13. 5:2
14. 72 ft
15. 36 ft