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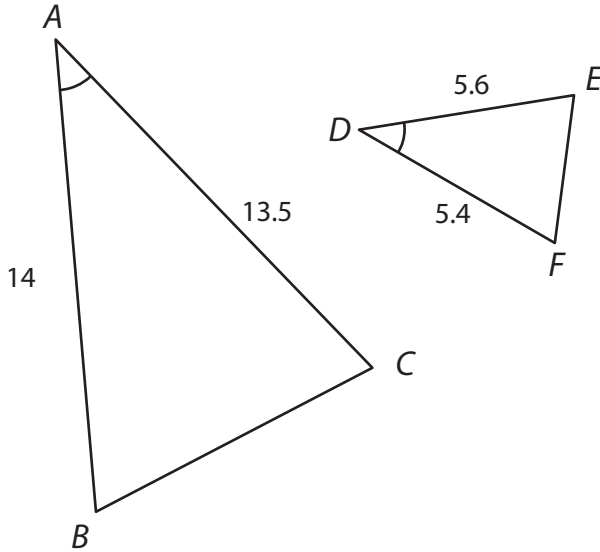
UNIT 5 • SIMILARITY, RIGHT TRIANGLE TRIGONOMETRY, AND PROOF

Lesson 4: Proving Similarity

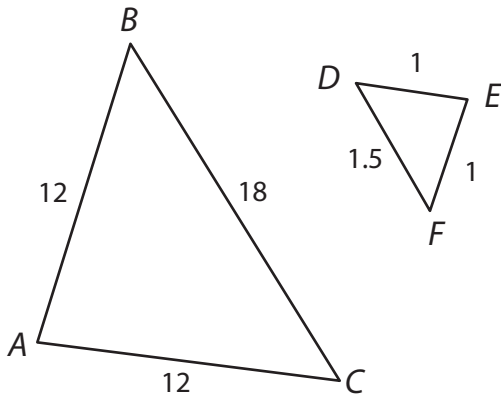
Practice 5.4.1: Proving Triangle Similarity Using Side-Angle-Side (SAS) and Side-Side-Side (SSS) Similarity

Prove that the triangles are similar.

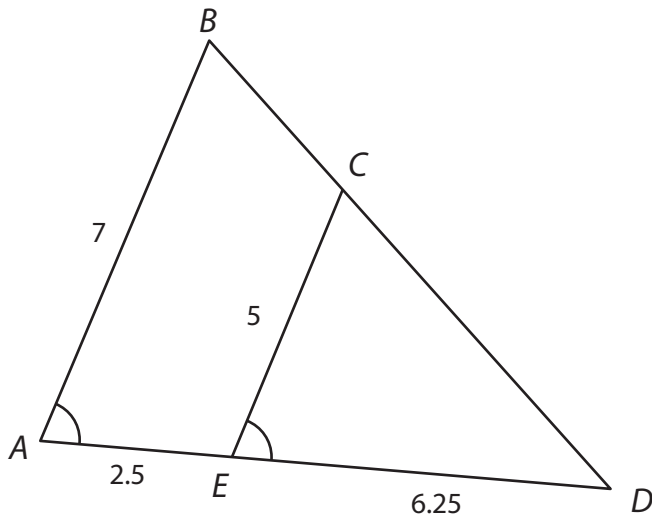
1.



2.



3.



continued

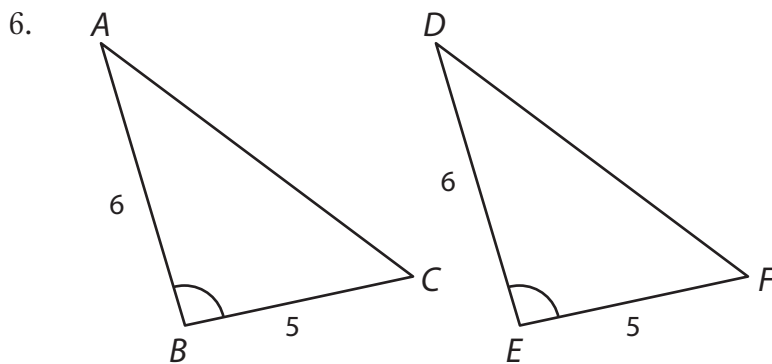
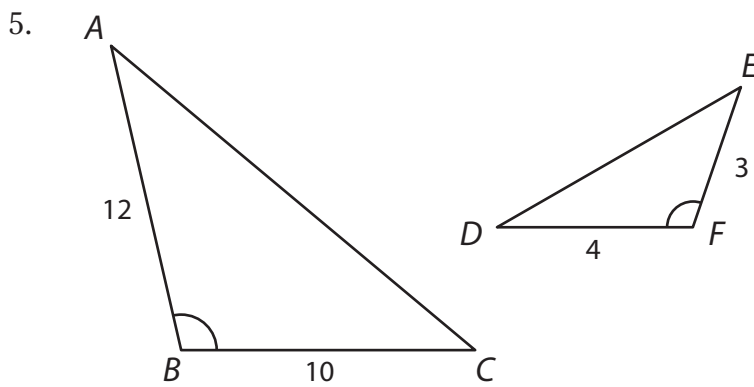
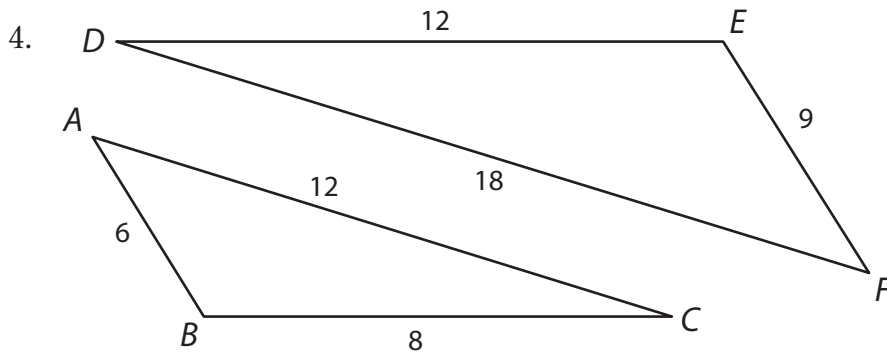
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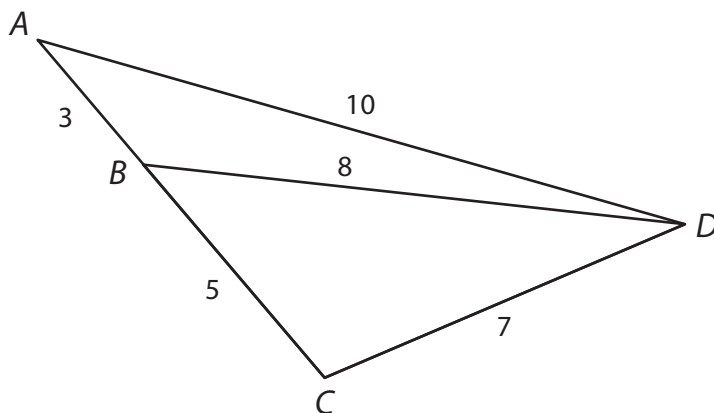
UNIT 5 • SIMILARITY, RIGHT TRIANGLE TRIGONOMETRY, AND PROOF

Lesson 4: Proving Similarity

Determine whether the triangles are similar. If the triangles are similar, write a similarity statement.



7. Determine whether $\triangle ACD$ and $\triangle BCD$ are similar. If so, write a similarity statement.



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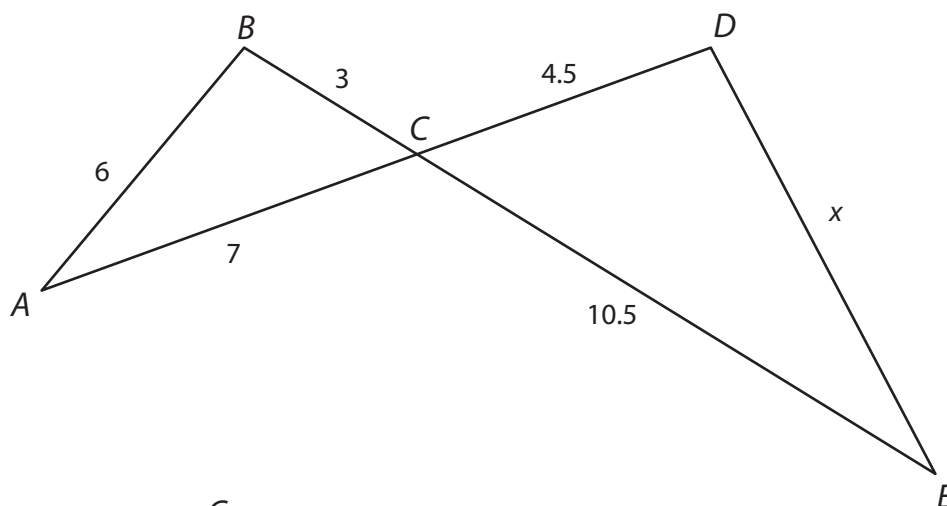
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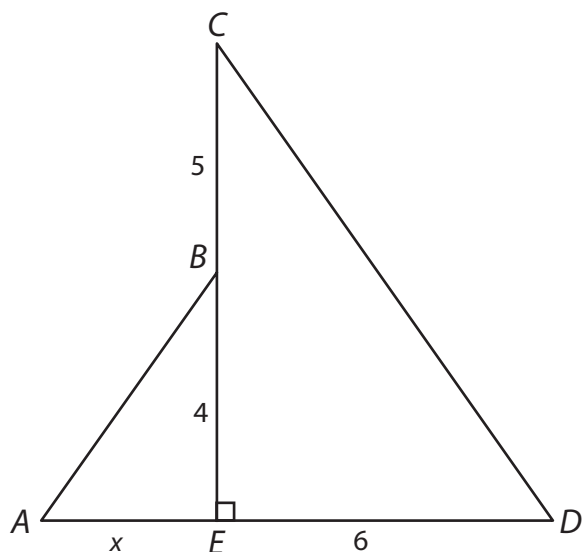
Lesson 4: Proving Similarity

For problems 8–10, find x .

8.



9.



10.

