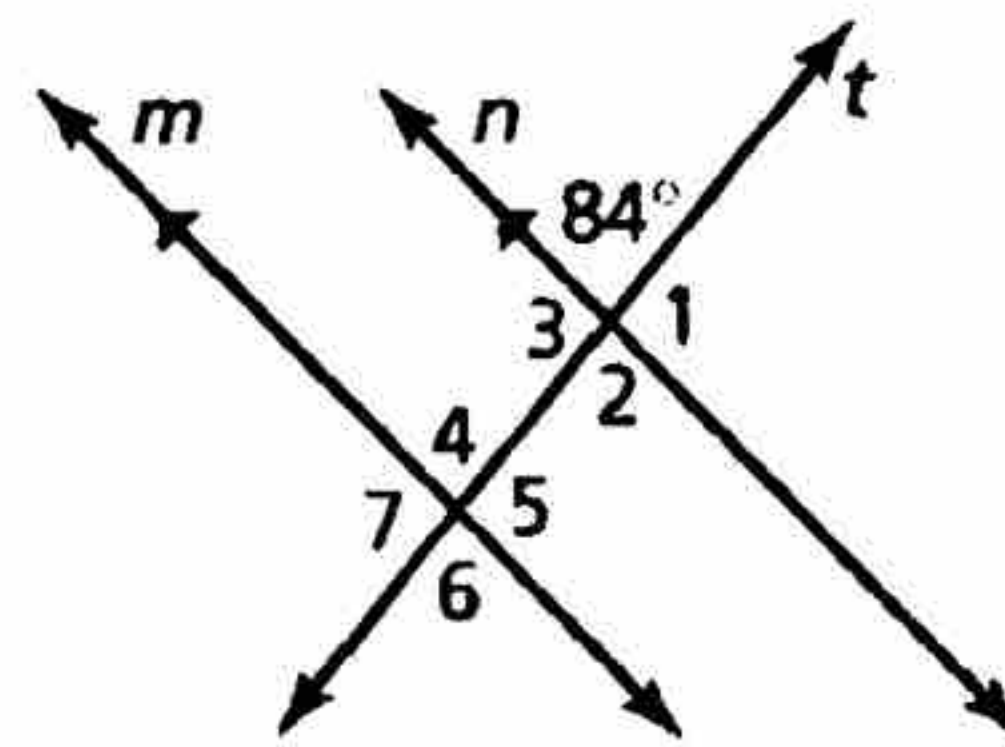


Chapter 3 Pre-Algebra Test Review

Use the figure to find the measure of the angle. Explain your reasoning.

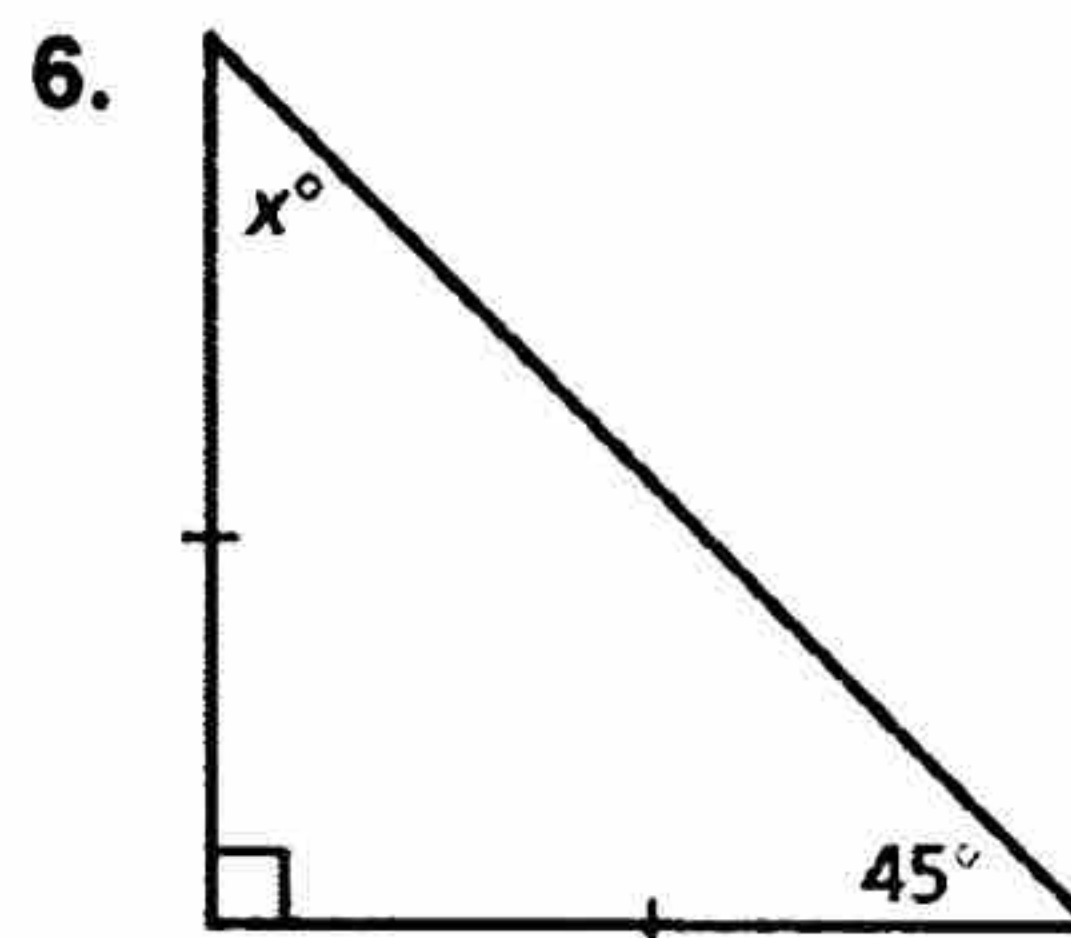
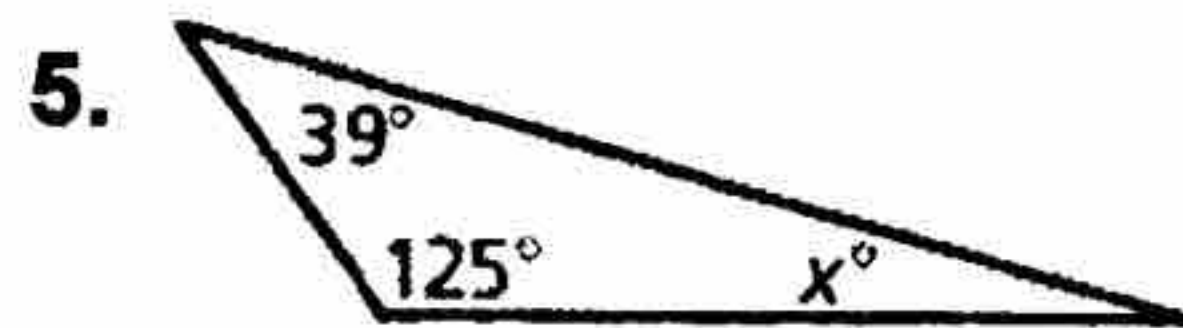


1. $\angle 6$
2. $\angle 5$
3. $\angle 4$
4. $\angle 7$

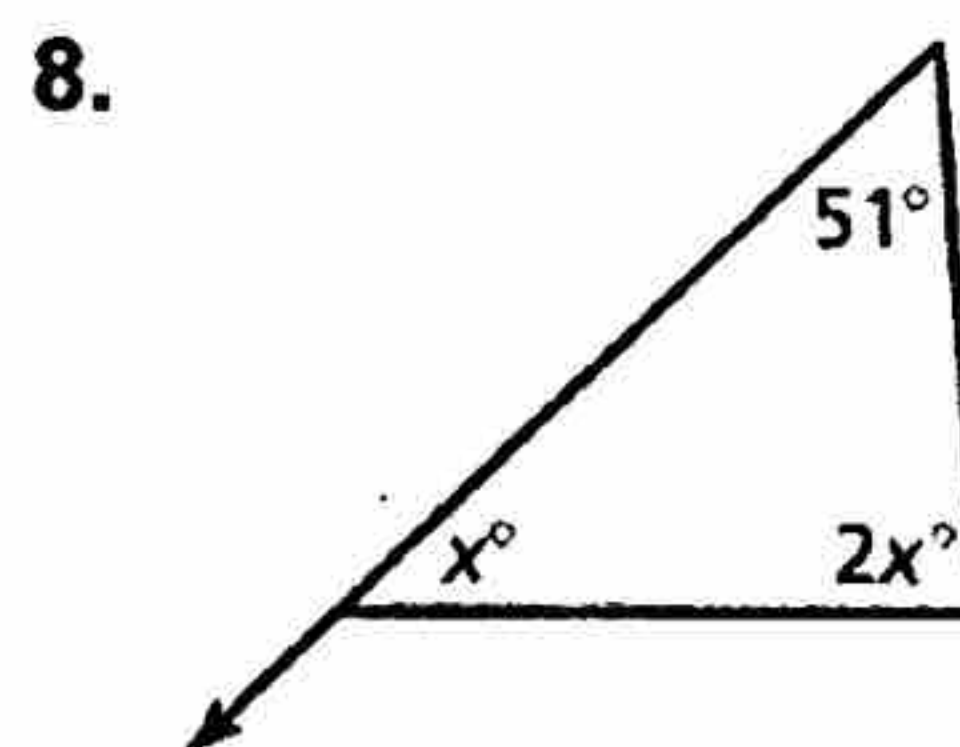
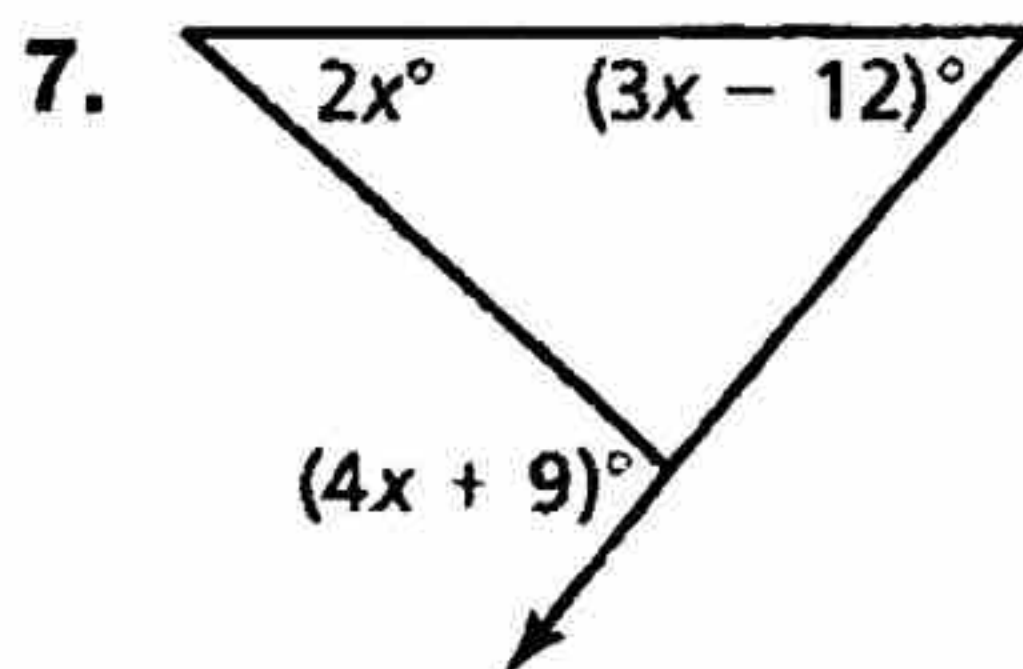
Answers

1. _____
See left.
2. _____
See left.
3. _____
See left.
4. _____
See left.
5. _____
6. _____
7. _____
8. _____

Find the measures of the interior angles.

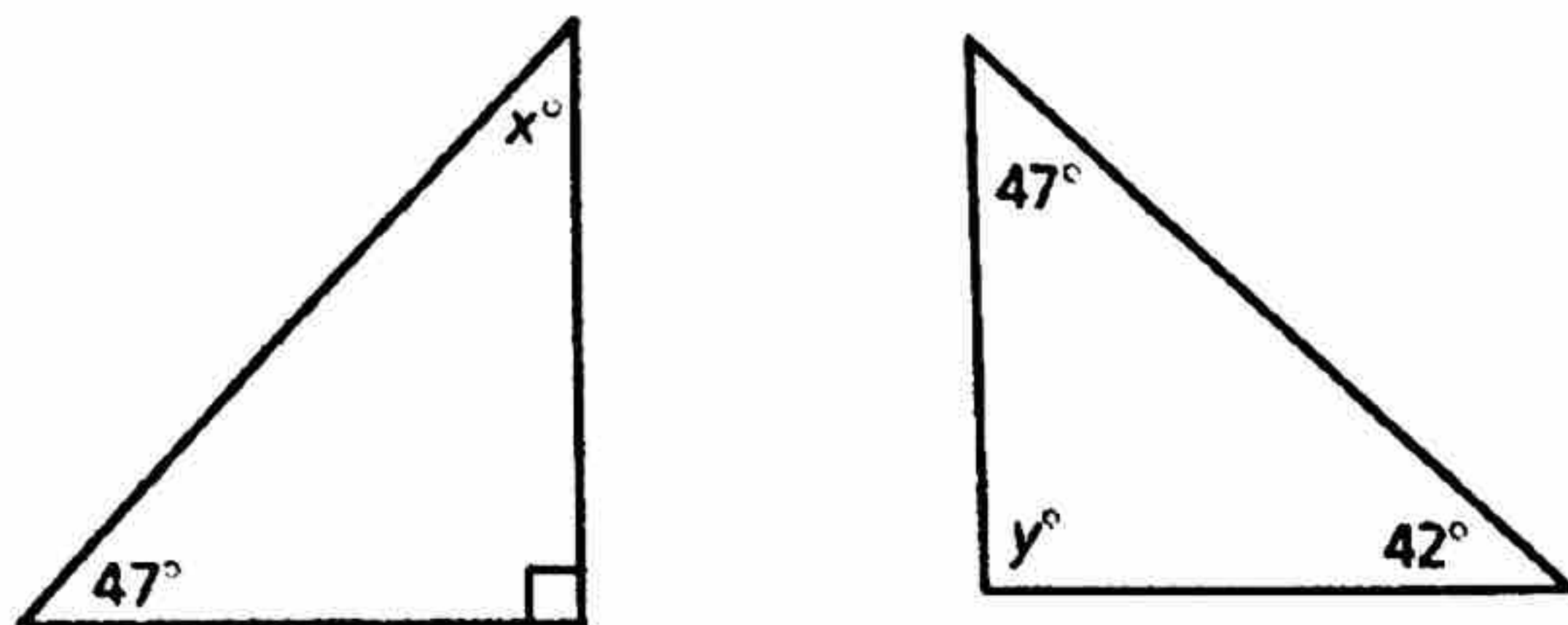


Find the measure of the exterior angle.



Chapter
3

9. Tell whether the triangles are similar. Explain.



Answers

9. _____

10. _____

11. _____

10. The measures of the acute angles of a right triangle have a ratio of 2 : 7. What is the measure of the smaller angle?

11. You are on a boat in the ocean, at point A . You locate a lighthouse at point D , beyond the line of sight of the marker at point C . You travel 90 feet west to point B and then 36 feet south to point C . You travel 100 feet more to arrive at point E , which is due east of the lighthouse. What is the distance from point E to the lighthouse?

