

Independent Practice

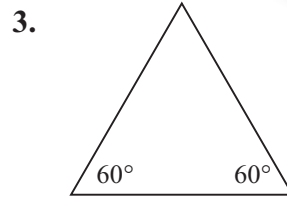
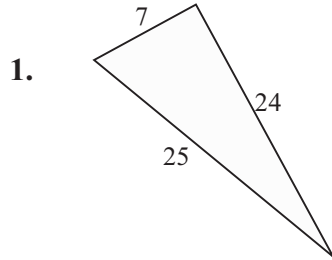
8.4

NAME _____

Module 8 Points, Lines, Angles, and Triangles

Lesson 4 Triangles

Classify each triangle by its sides and by its angles.



Use the diagram at right for questions 4 – 9.

4. Name the right triangles.

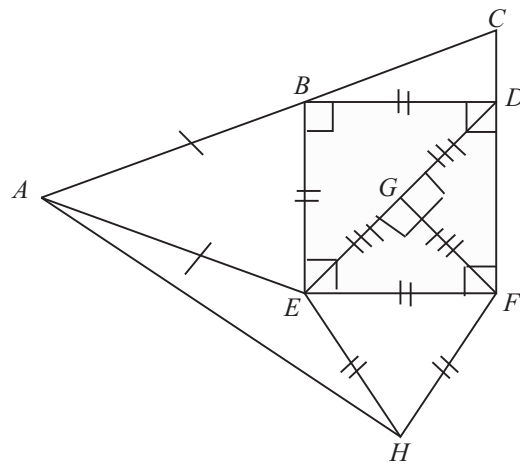
5. Name the isosceles triangles that are not right triangles.

6. Name the obtuse triangle.

7. Name the scalene triangle that is not a right triangle.

8. Name the scalene triangle that is a right triangle.

9. Name the equilateral triangle.



10. An equilateral triangle has a perimeter of 21 inches. What is the length of each side of the triangle?

11. The acute angles of a right triangle are congruent. What are the three angle measures of the triangle?

12. Two angles of a triangle measure 110° and 24° . Find the measure of the third angle.

Journal

1. Describe how to classify a triangle by its side lengths. Then, describe how to classify a triangle by its angle measures.
2. Why is an equilateral triangle also an isosceles triangle?
3. Explain why a right triangle can only have one right angle and why an obtuse triangle can have only one obtuse angle.

Cumulative Review

1. Draw three parallel line segments.

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2. Draw two lines perpendicular to a ray.

Estimate the angle measure and classify the angle.

3.

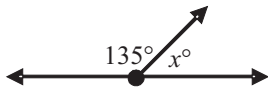


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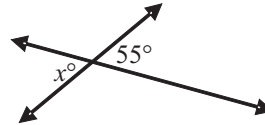


Find the value of x .

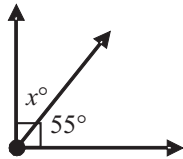
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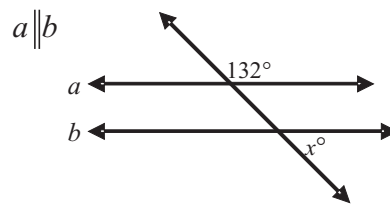
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7.



8.



Additional Work Area