UNIT 8
Review/Test

Name _____ Date _____

VOCABULARY
acute angle
degree
parallel
perpendicular

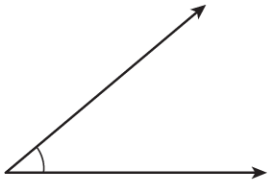
▶ Vocabulary

Choose the best term from the box.

1. A _____ is $\frac{1}{360}$th of a circle. (Lesson 8-2)
2. Two lines are _____ if they form a right angle. (Lesson 8-7)
3. An _____ has a measure less than 90°. (Lesson 8-1)

▶ Concepts and Skills

4. Explain how you would use a protractor to measure the angle at the right. What is the angle measure? (Lesson 8-2)



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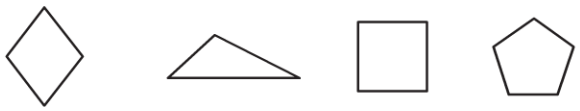
5. Look at the figures below. Circle the figures that have parallel lines. (Lesson 8-10)

6. Look at the figures below. Circle the figures that have acute angles. (Lesson 8-10)



Draw each figure. (Lesson 8-1)

7. Line *AB*

8. Line segment *FG*

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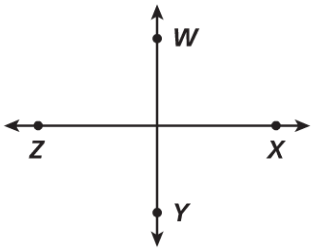
Tell whether each pair of lines is parallel or perpendicular. (Lesson 8-7)

9.



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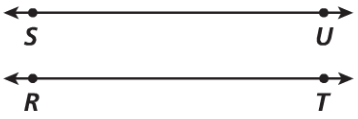

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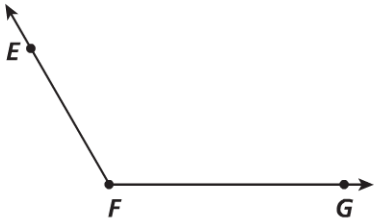
Measure the angle. Tell if it is an acute, obtuse, or right angle. (Lesson 8-2)

11.



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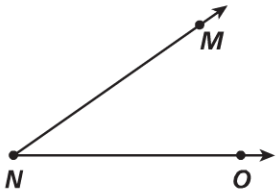

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Name each triangle by its sides. (Lesson 8-4)

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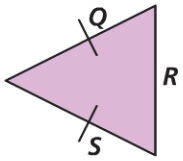

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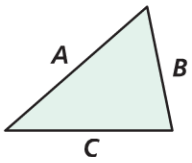

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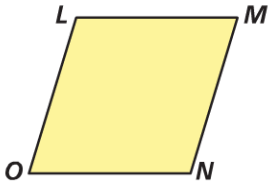
List all names for the quadrilateral. Then use letters to name the triangles you can make with the diagonals and write the type of triangles. (Lessons 8-8, 8-9)

15.



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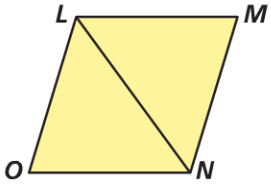

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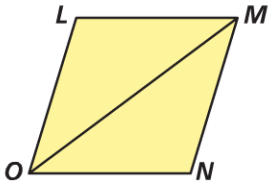

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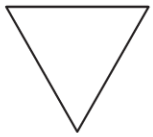
Name _____ Date _____

Draw all of the lines of symmetry for each figure. (Lesson 8-11)

16.



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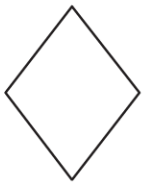

▶ Problem Solving

Use the map to solve each problem. (Lessons 8-4, 8-6, 8-7)

18. Suli and Ty are walking along parallel streets. Which two streets in the map appear to be parallel?

_____

19. Cross Street, West Street, and Carmichael Street form a triangle around a park. Classify the triangle formed by these streets by its sides and its angles.

_____

20. What is the measure of the obtuse angle formed by Pleasant Street and Carmichael Street?

_____

21. Which two streets are perpendicular?

_____

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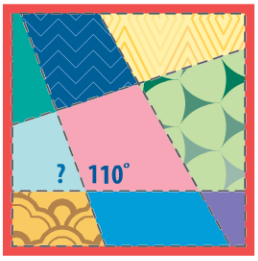
Solve each problem.

Show your work.

22. Lucy is designing a block for a quilt. She measured one of the angles. What is the unknown angle measure? **(Lessons 8-5, 8-6)**



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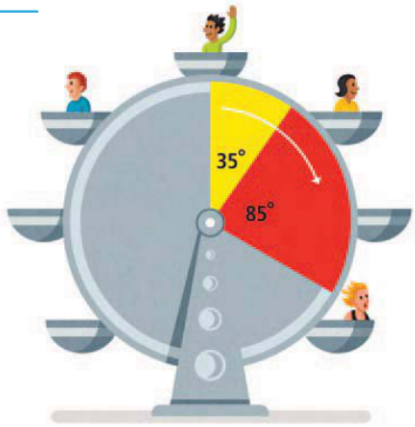
23. A tile has two pairs of parallel sides and two pairs of equal sides. What shape is the tile? **(Lesson 8-8)**

_____

24. A gear in a watch turns in one-degree sections. The gear has turned a total of 300°. How many one-degree turns did the gear make? **(Lesson 8-3)**

_____

25. Extended Response A Ferris wheel turns 35° before it pauses. It then turns another 85° before stopping again. What is the total measure of the angle that the Ferris wheel turned? How many more times will it need to repeat the pattern to turn 360°? Explain your thinking. **(Lessons 8-2, 8-3, 8-5, 8-6)**



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