

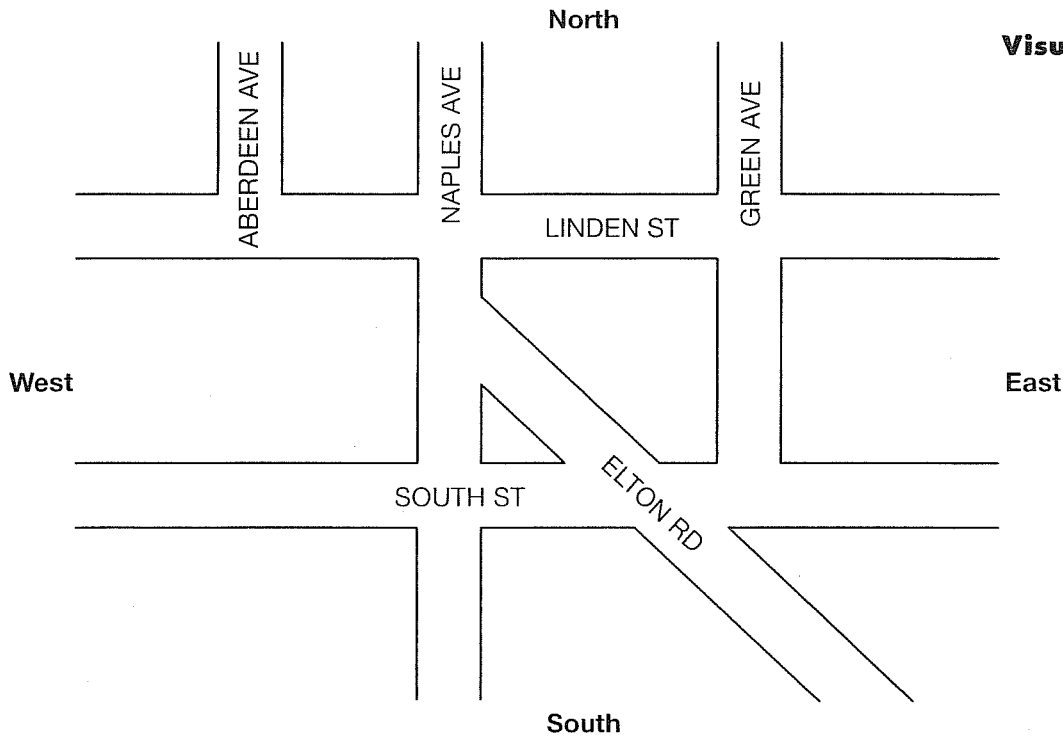
Enrichment Packet #13

Due: Monday

NAME: _____

Street Smarts

Visual Thinking



1. Name 2 streets that run north and south, intersect South Street, and are parallel to each other.

2. Name 2 streets that are parallel and run east and west.

3. Name a street that intersects Linden Street at a right angle and intersects no other street.

4. Name a street that intersects South Street, but NOT at a right angle.

5. Three parallel streets intersect an east-west street at right angles. Name the east-west street.

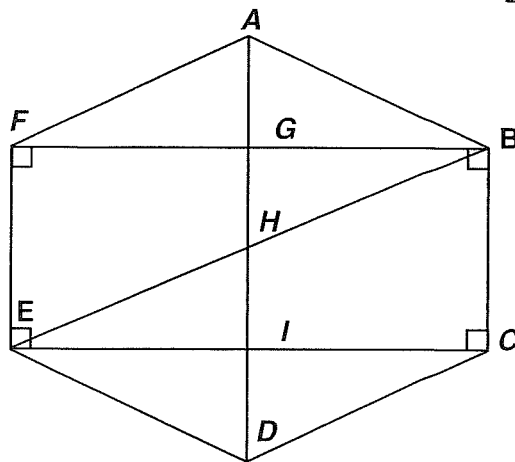
Enrichment 9-1

Shapes in Shapes

Study the figure. Then answer each question.

Visual Thinking

- How many triangles do you see in the figure? _____
Use the capital letters at the vertices to name them.



- How many rectangles do you see in the figure? _____
Name them. _____

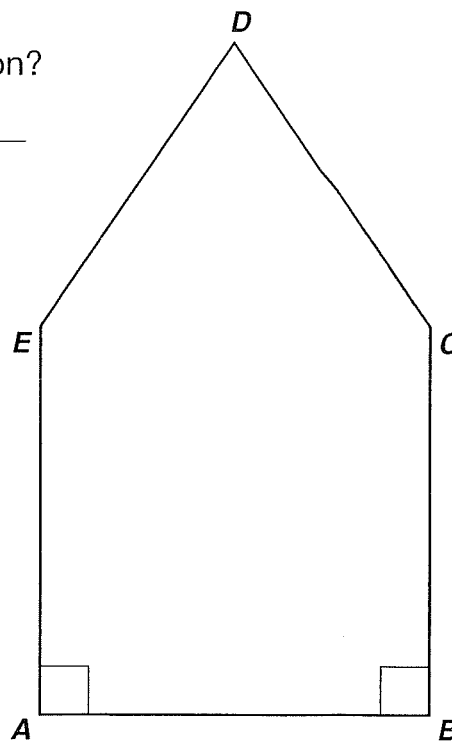
Use the figure at the right to answer Exercises 3 through 5.

- How many of each type of angle are in the polygon?
acute _____ obtuse _____ right _____

- If you draw a line segment from each vertex to all possible vertices, what figure will be on the inside of the pentagon?

- If you cut the pentagon into two pieces, what different figures could you make?

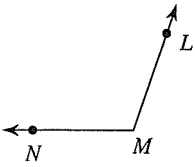
- What is the name of the figure that is 36 inches around and that has equal sides, each 6 inches long?



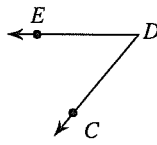
Naming Angles

Name the vertex and sides of each angle.

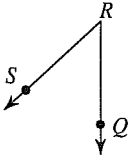
1)



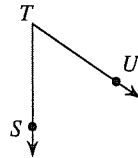
2)



3)

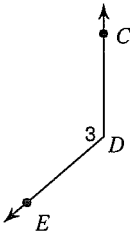


4)

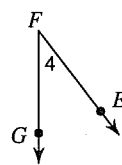


Name each angle in four ways.

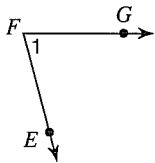
5)



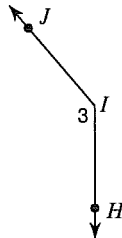
6)



7)



8)



Draw and label an angle to fit each description.

9) an obtuse angle, $\angle Y$

10) an acute angle, $\angle JIH$

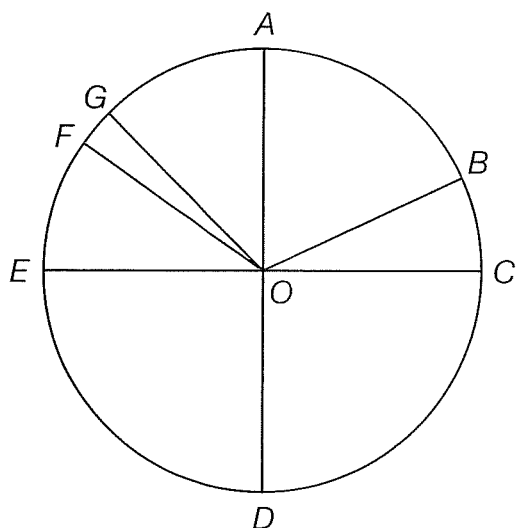
11) a right angle, $\angle 3$

12) a straight angle, $\angle CDE$

Name that Angle

Below is a circle with center point O . Each point on the outside of the circle connected to point O creates a line segment. Using point O as the vertex, many angles are created. Use the diagram to answer the following questions.

Visual Thinking



1. What is the measurement of $\angle COD$? _____
2. What is the measurement of $\angle FOG$? _____
3. What is the measurement of $\angle COF$? _____
4. What is the measurement of $\angle EOC$? _____
5. Does $\angle EOC = \angle COE$? What are their measurements?

6. Does $\angle COA = \angle EOD$? What are their measurements?

7. What is $\angle EOG + \angle AOB$? _____

8. What is $\angle FOG + \angle COD$? _____

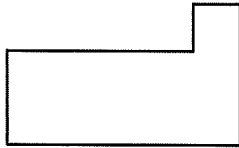
9. Name the 3 angles that $\angle EOD$ is equal to.

Poly Shapes

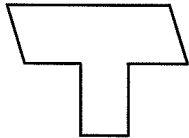
Each figure is made of at least 2 polygons. Draw a line or lines to show the figures. Name each figure. Be specific.

Decision Making

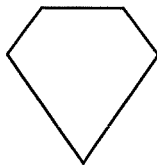
1.



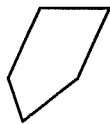
2.



3.



4.



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6.