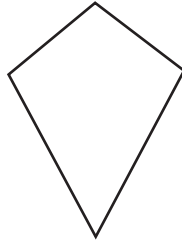


Chapter 10 Review/Test

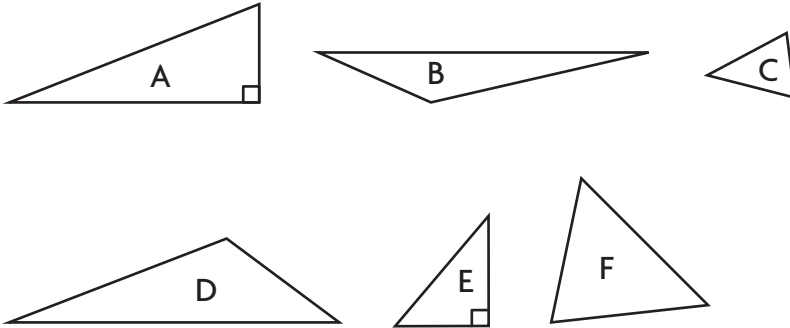


1. Gavin is designing a kite. He sketched a picture of the kite.
How many right angles does the kite appear to have?



_____ right angles

2. Write the letter of the triangle under its correct classification.



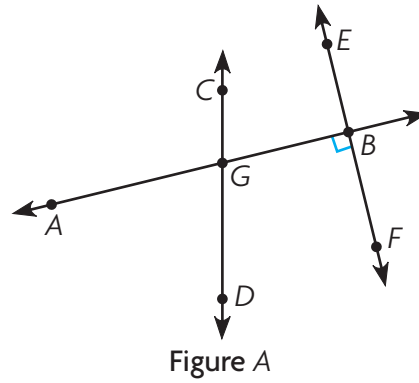
| Acute Triangle | Obtuse Triangle | Right Triangle |
|----------------|-----------------|----------------|
| | | |

3. Select the angles that identify an obtuse triangle. Mark all that apply.

- (A) acute, acute, acute
- (B) acute, acute, obtuse
- (C) right, acute, acute
- (D) obtuse, right, acute

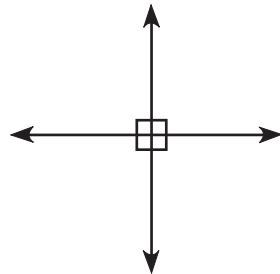
4. Write the word that describes the part of Figure A written below.

| | | |
|-------------|-------------|--------------|
| ray | line | line segment |
| acute angle | right angle | |



\overline{EB} _____ $\angle EBG$ _____
 \overleftrightarrow{AB} _____ $\angle CGB$ _____
 \overrightarrow{GA} _____

5. What term best describes the figure shown below?



Personal Math Trainer



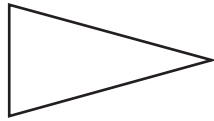
6. **THINK SMARTER +** Naomi leaves for her trip to Los Angeles on the 12th day of August. Since August is the 8th month, Naomi wrote the date as shown.

8 / 12

Naomi says all the numbers she wrote have line symmetry. Is she correct? Explain your thinking.

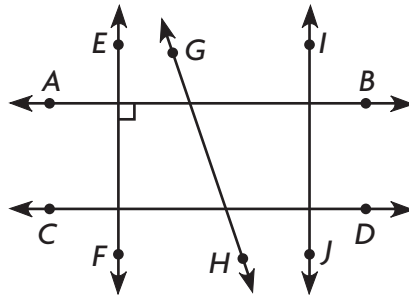
Name _____

7. Max made a pennant that looks like a triangle. How can you classify the triangle based upon its angles?



The triangle is a(n) _____ triangle.

8. Choose the labels to make a true statement.



| | | | |
|---|----------------|---|---|
| \overleftrightarrow{GH} \overleftrightarrow{CD} \overleftrightarrow{AB} | is parallel to | \overleftrightarrow{EF} \overleftrightarrow{CD} \overleftrightarrow{GH} | . |
|---|----------------|---|---|

9. Classify the figure. Select all that apply.



- | | |
|-------------------------------------|---------------------------------|
| <input type="radio"/> quadrilateral | <input type="radio"/> rectangle |
| <input type="radio"/> trapezoid | <input type="radio"/> rhombus |
| <input type="radio"/> parallelogram | <input type="radio"/> square |

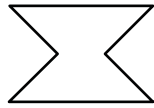
10. Lily designed a deck in her backyard that looks like a quadrilateral that has only 1 pair of parallel sides. How can you classify the figure?

The quadrilateral is a _____.

11. Match each figure with the correct number of lines of symmetry it has.



0 lines of symmetry

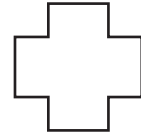


1 line of symmetry

F

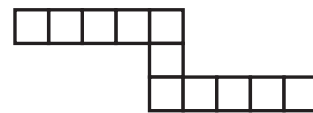
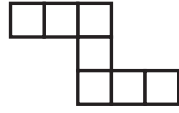
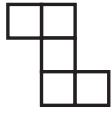


2 lines of symmetry



More than 2 lines of symmetry

12. Barb drew the pattern shown.



Use the square shown to draw the missing pattern.

13. Claudia drew the figure below. Draw a line of symmetry on Claudia's figure.



14. Write the word or words that best describe this figure.

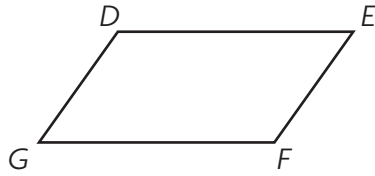


15. How many acute angles does a right triangle have?

A right triangle has _____ acute angles.

Name _____

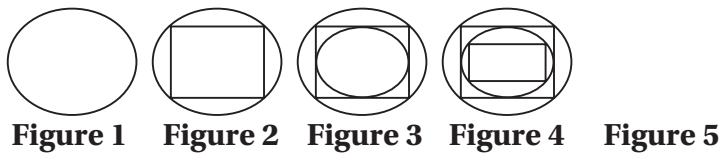
16. Mike drew a figure with opposite sides parallel. Write the pairs of parallel sides. What figure is it?



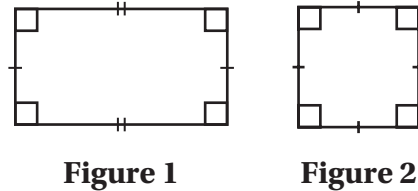
17. Circle the letter that does not have line symmetry.

DOTS

18. Joseph made a pattern using ovals and rectangles. The first four figures of his pattern are shown. Draw the next figure in the pattern.



19. Jeremy drew Figure 1 and Louisa drew Figure 2.



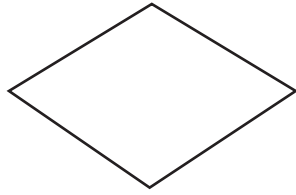
Part A

Jeremy says both figures are rectangles. Do you agree with Jeremy? Support your answer.

Part B

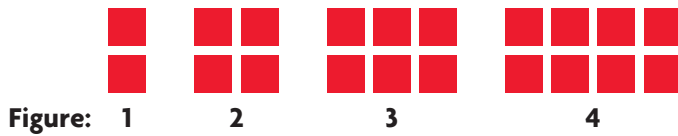
Louisa says both figures are rhombuses. Do you agree with Louisa? Support your answer.

20. Veronica found the number of lines of symmetry for the figure below. How many lines of symmetry does it have?



_____ lines of symmetry

21. **GO DEEPER** Jordan drew the pattern below.



Part A

Describe the pattern.

Part B

Write a rule using numbers to find the number of squares in any figure in the pattern.

Part C

Draw Figure 5.