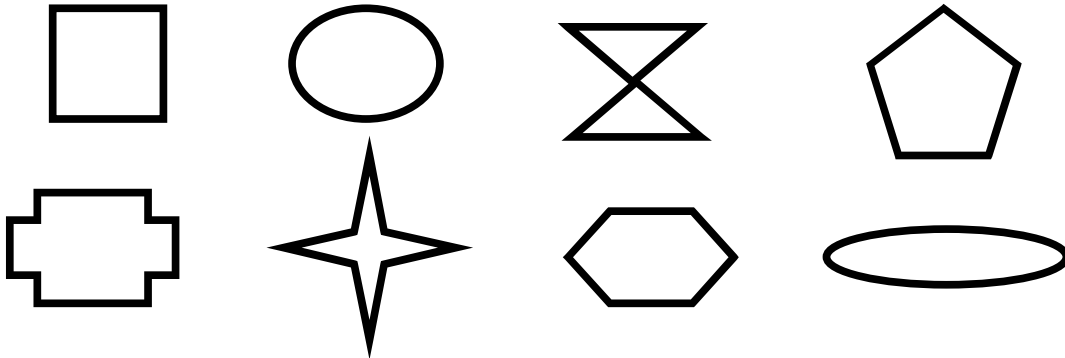


Geometry in My World (3 - 4)

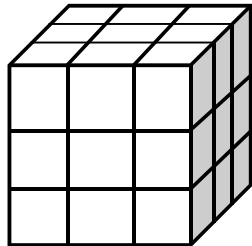
Name _____

Read each problem carefully. Answer as many as you can. Write answers clearly. You may write on this test.

1. Circle all the figures that are polygons.

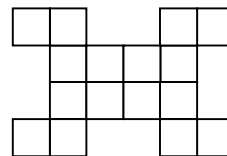
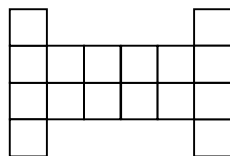
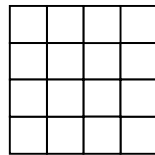
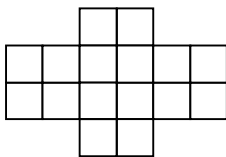


2. The cube is made of smaller cubes. If the entire outside surface of this 3 x 3 x 3 cube were painted, how many of the smaller cubes would have exactly one face painted?



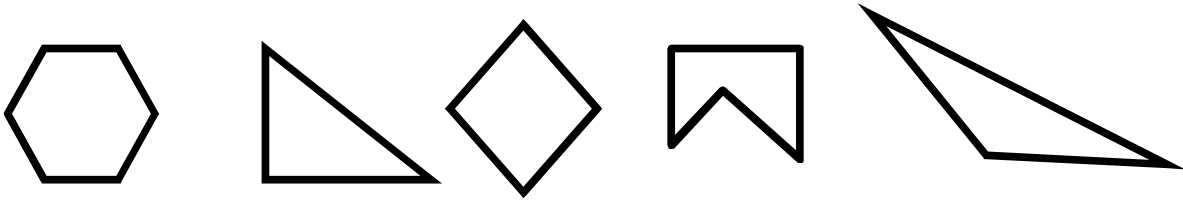
Write your answer on the following line.

3. Circle the figure with the greatest perimeter.

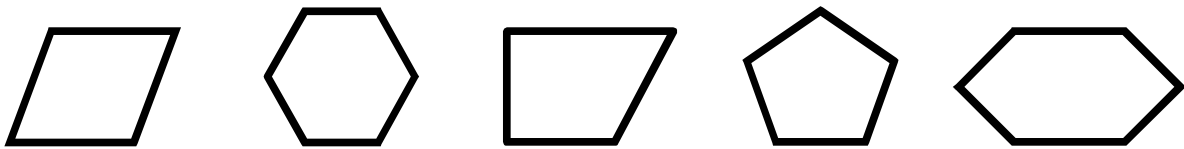


4. Circle all of the figures that are correctly described by the word in each section.

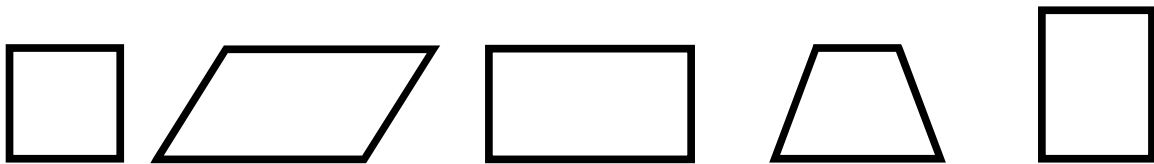
a. triangle



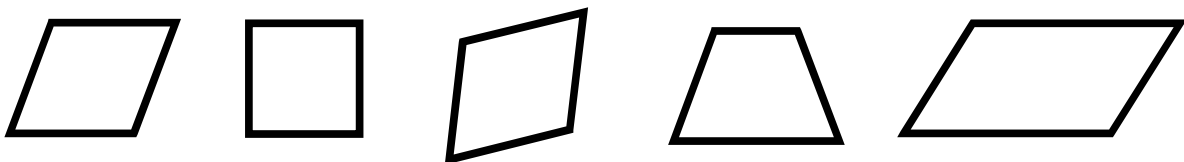
b. hexagon



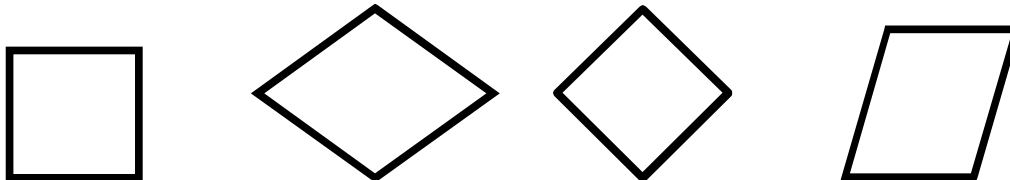
c. rectangle



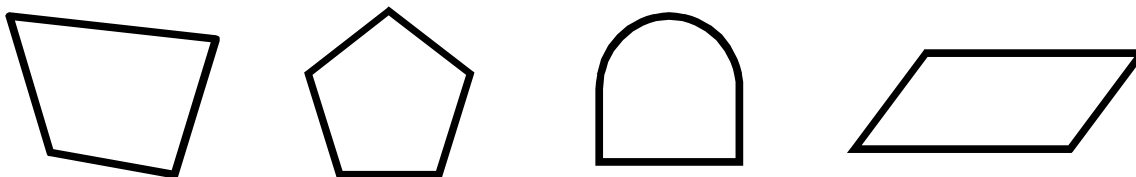
d. rhombus



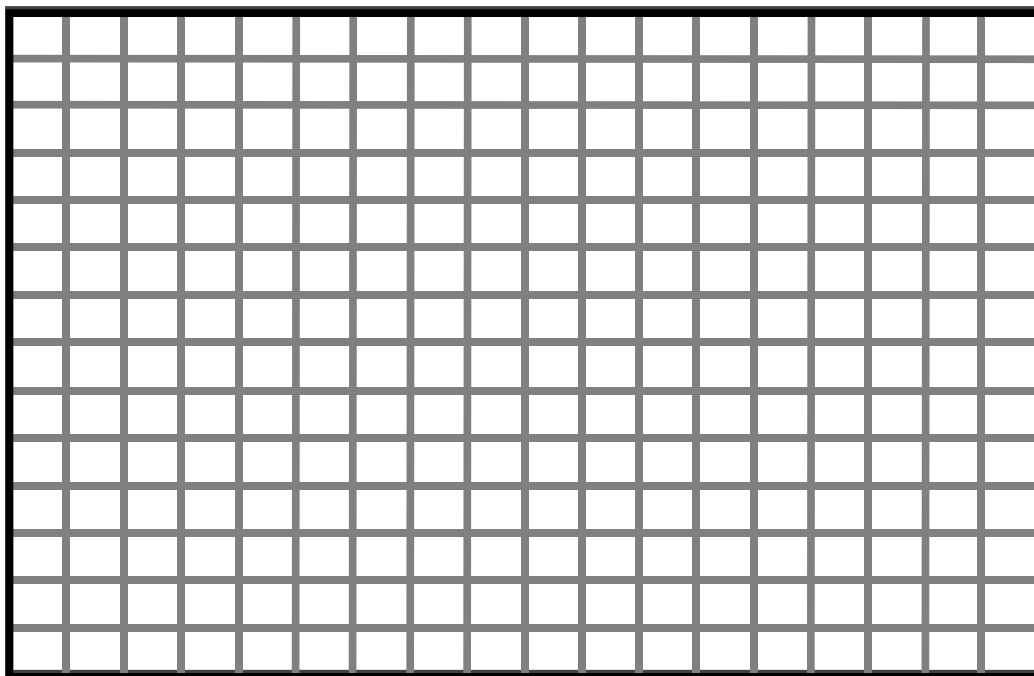
5. Four figures are shown below. Circle all figures that are squares.



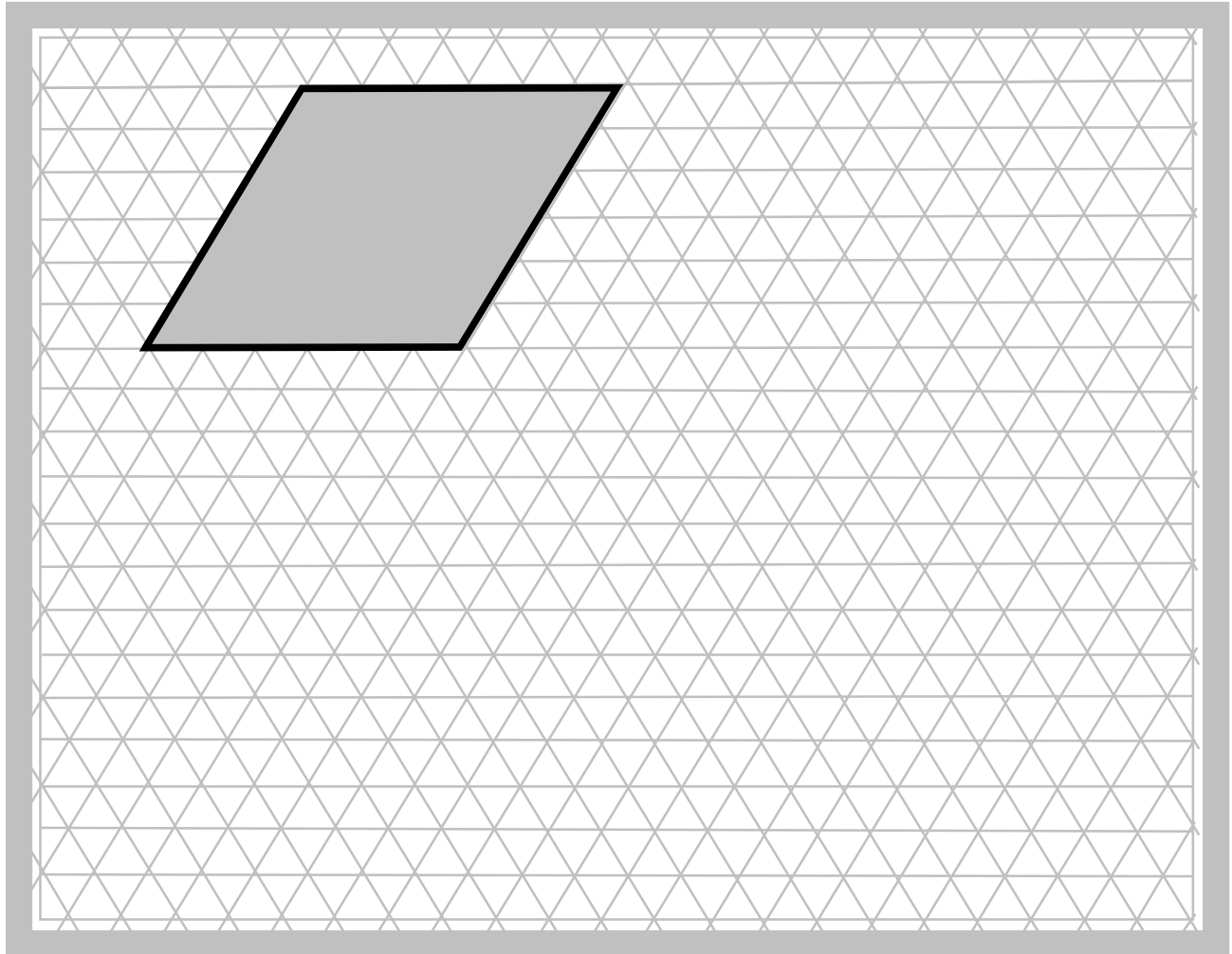
6. Four figures are shown below. Circle all figures that are quadrilaterals.



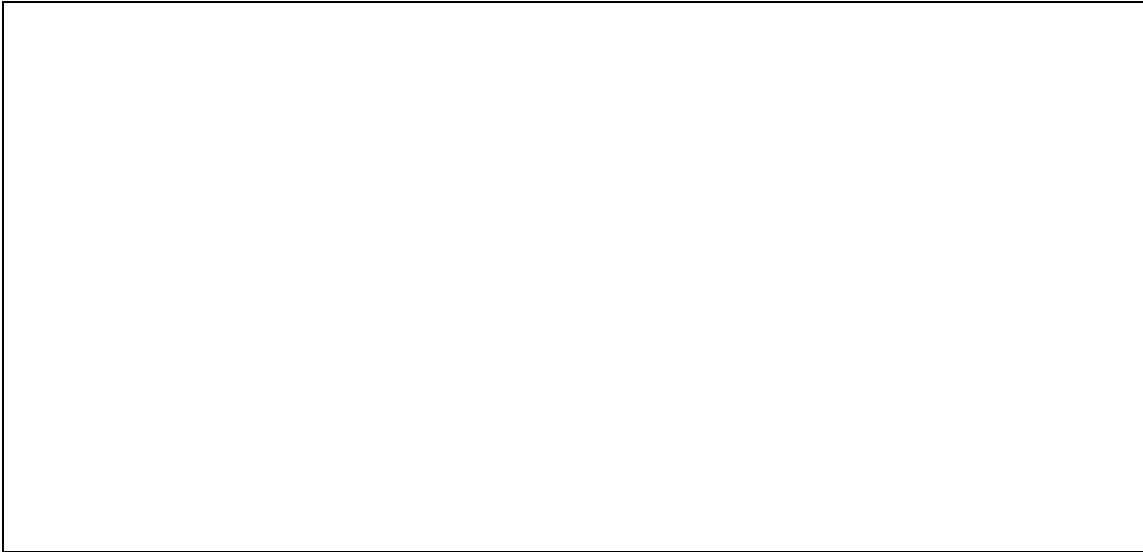
7. Draw three different rectangles, all having an area of 12 square units. (Each square on the grid represents a square unit.) Shade in each rectangle you draw.



8. Use the triangular grid paper and make two rhombi that are congruent to the one shaded below. Shade in the figures you draw.

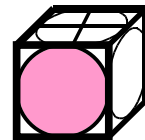
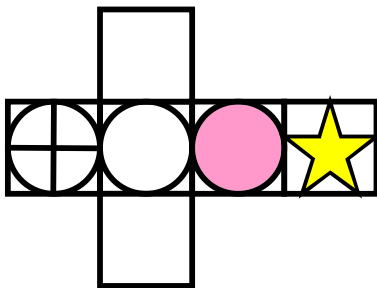


9a. Choose one of the Pattern Block shapes and create a tessellation in the box below.



9b. Explain how you know the shape tessellates. You can use words, pictures, and diagrams.

10. Which constructed cube matches the layout of the unfolded cube? Circle your answer.



Draw a different quadrilateral in each box. Name each specific quadrilateral you draw and write at least two attributes for each shape.

11a. Draw a quadrilateral in this box.

11b. Draw a quadrilateral in this box.

Name the specific quadrilateral.

Name the specific quadrilateral.

List two attributes.

List two attributes.

Draw a different polygon in each box. The polygon can NOT be a quadrilateral. Name each specific polygon you draw and write at least two attributes for each.

11c. Draw a polygon in this box.

11d. Draw a polygon in this box.

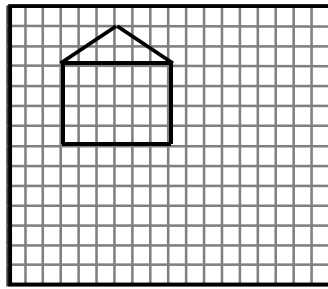
Name the specific polygon.

Name the specific polygon.

List two attributes.

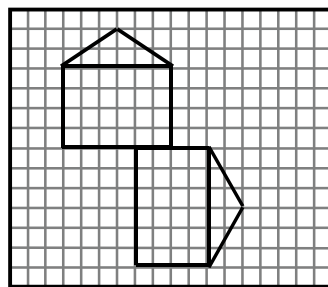
List two attributes.

12.



Look at the figure above.

If only 2 steps were used to create the design below, what 2 steps are they? Using the transformation terms slide (translate), flip (reflect), or turn (rotation), describe the 2 steps used.



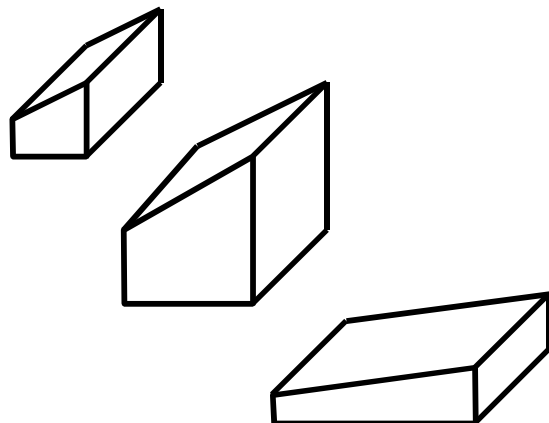
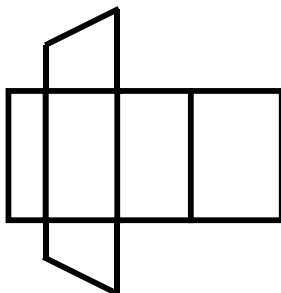
Describe the transformation and how many units the shape moved.

Step 1: _____

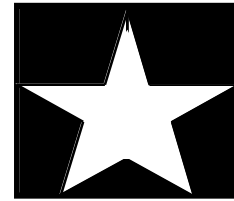
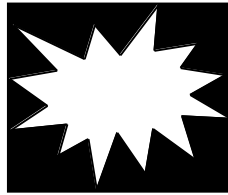
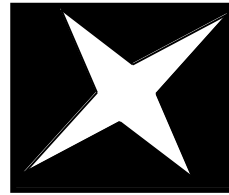
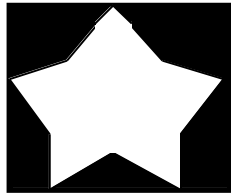
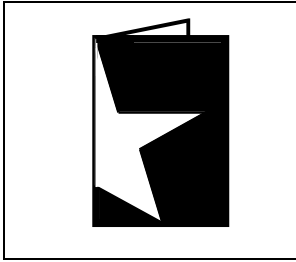
Step 2: _____

13. The net or jacket on the left is for which solid on the right?

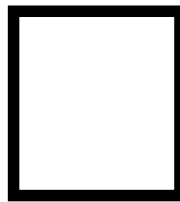
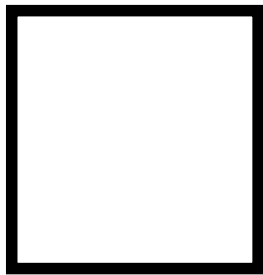
Circle your answer.



14. Which picture on the right shows the unfolded symmetrical shape? Circle the answer.



15. Circle all words that best describe the figures.



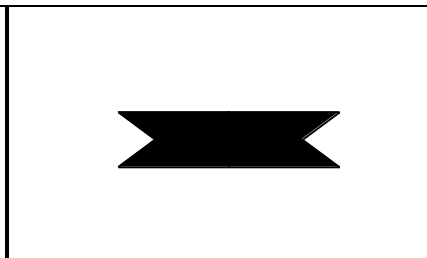
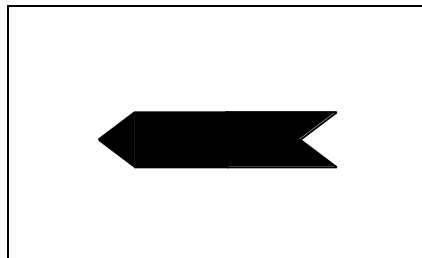
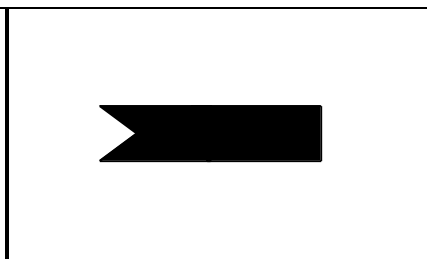
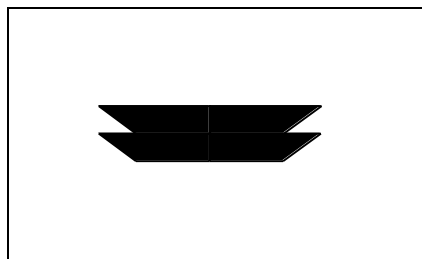
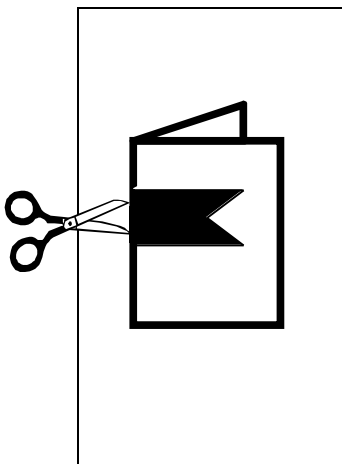
rectangles

congruent

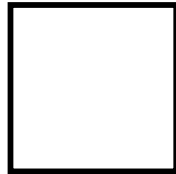
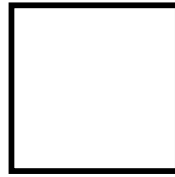
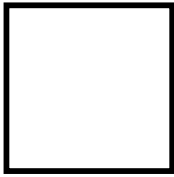
polygons

similar

16. Circle the shape that was cut from the folded paper.



17. Draw a different line of symmetry for each square.



18. Circle the shapes on the right needed to make the polyhedron on the left.

