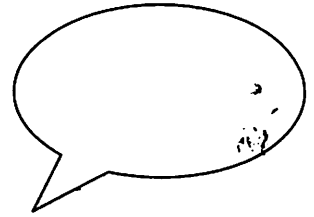# Unit 1B Study Guide

Geometry, Reflections and Symmetry, and Coordinate Grids

1.-3. Under each real-world object, write the name of the solid figure that it looks like the most.
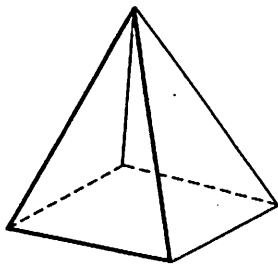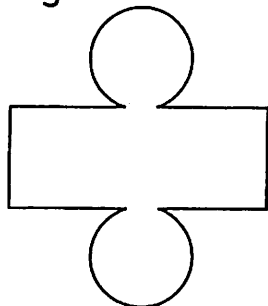
_____   _____   _____

4.

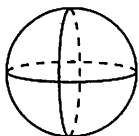Which sentence does not describe this three-dimensional figure?

○   A. The figure is a square pyramid.

○   B. The figure has 4 triangular faces.

○   C. The figure has 4 vertices.

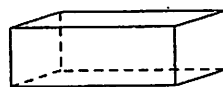5. The cutout below can be folded to make a 3-dimensional geometric figure. Write the name of the figure.

_____
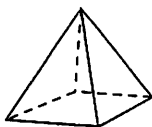
6.-9. Identify the following 3-dimensional figures.

_____   _____
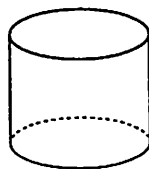
_____   _____
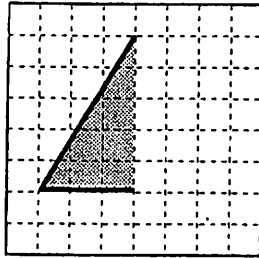
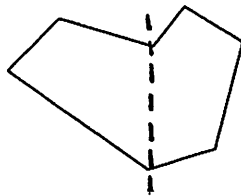10. A solid figure is shown. Which group of words best describes the solid figure?

- ◯ A. two circular bases that are congruent (same shape and same size)

- ◯ B. three faces that are polygons

- ◯ C. three circular faces

11.-12. Fill in the correct squares to create the other half of this figure.
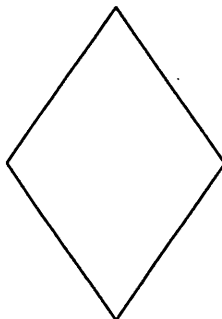
13. Is the dash a line of symmetry? Explain.

The dash _____ (is/is not) a line of symmetry because

_____

_____

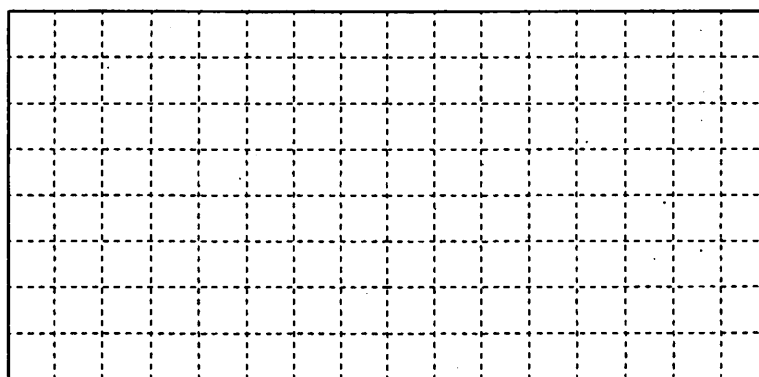14. Draw all of the line(s) of symmetry for the figure.

15.-16. Which has more lines of symmetry, a rectangle or a square? Explain.

A _____ has more lines of symmetry because

_____

_____

17.-18. In the grid below, draw a figure and show a flip, turn, or slide. Draw an arrow to show the direction of the move.

19. Explain why your drawing above is a flip, turn, or a slide.
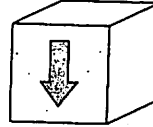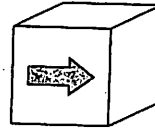
My drawing is a _____ because _____

_____.

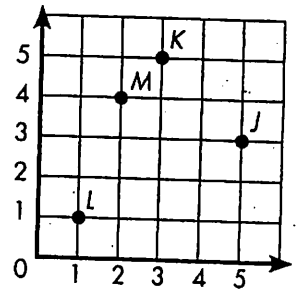20. The boxes below are an example of a _____.

　○　A. translation (slide)

　○　B. rotation (turn)

　○　C. reflection (flip)

Give the coordinates for the point
that locates each letter in the graph.

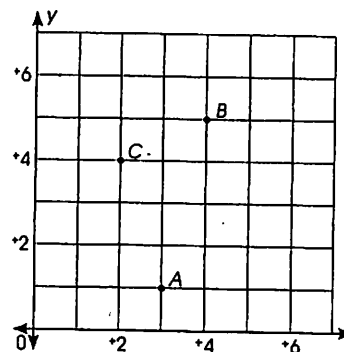21. L _____   22. J _____

23. M _____   24. k _____

25. Plot point "N" on the graph using coordinates (4,1)

Give the coordinates for the point
that locates each letter in the

26.　A _____

27.　B _____

28.　C _____

29.　Plot point "D" on the graph using coordinates (2,6)

30.　Plot point "E" on the graph using coordinates (6,4)

Cumulative Review–You will have 5 cumulative review problems on your test. Please review your Math Magazine Unit 1A.