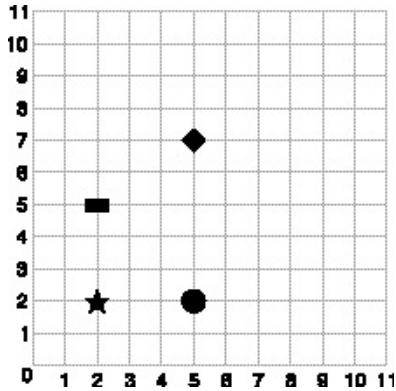Name:_____   Date:_____

1.

Use the graph below to answer this question.

Which shape is located at (5,2)?
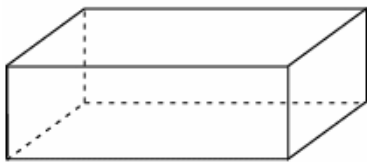
A. circle
B. rectangle
C. star
D. diamond

2. Which three shapes from this group are quadrilaterals?
{square, circle, rectangle, triangle, rhombus}

A. square, triangle, rhombus
B. circle, rectangle, rhombus
C. triangle, rhombus, circle
D. rectangle, square, rhombus

3.

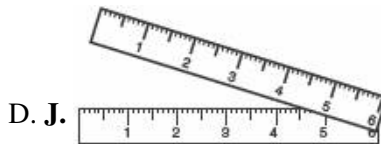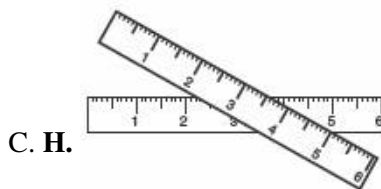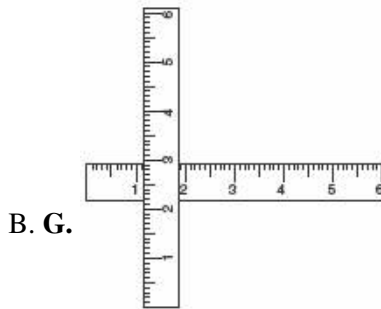What combination of shapes would you need to create this three dimensional shape?
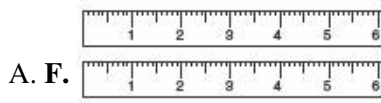
A. 2 squares, 2 rectangles
B. 2 squares, 4 rectangles
C. 4 rectangles
D. 6 rectangles

4. **Which solid could *not* have two parallel faces?**
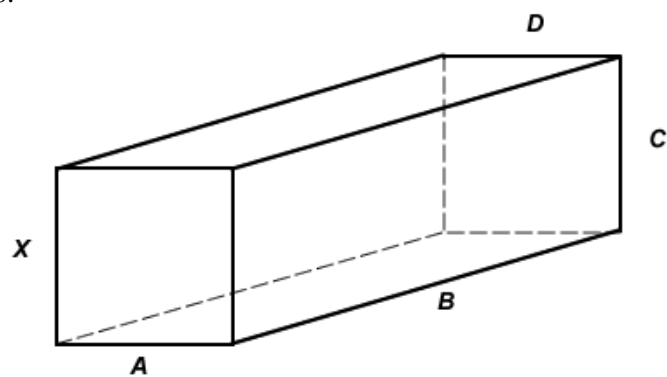
A. Cube

B. Rectangular prism

C. Pyramid

D. Cylinder

5. **Which pair of rulers is best described as perpendicular?**
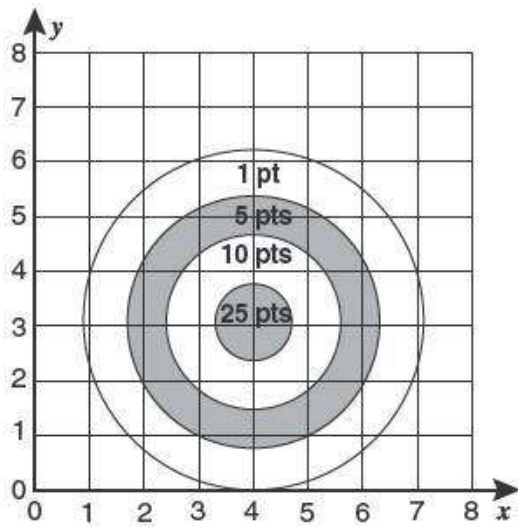
A. **F.**

B. **G.**

C. **H.**

D. **J.**

6.

Which edge is parallel to edge *X*?

A. A
B. B
C. C
D. D

7. **The figure below shows a coordinate grid placed over an archery target. Each ring of the target is labeled with the number of points the player will earn if an arrow lands in that ring.**

Lyle's arrow landed at (3, 4). How many points should he have earned with that arrow?
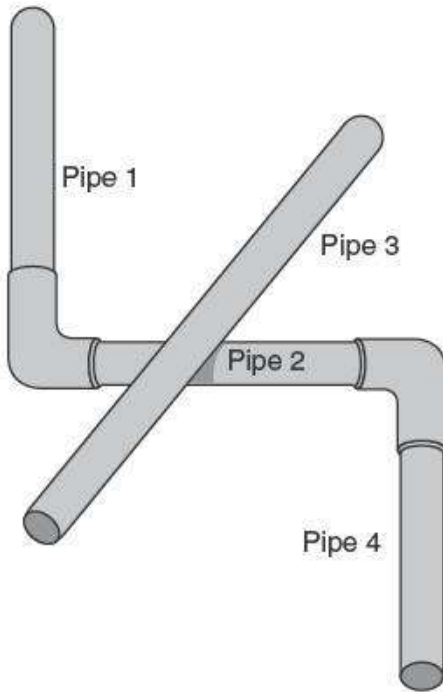
A. 1

B. 5

C. 10

D. 25

8.

Look at the two figures. Which statement correctly compares the edges of the figures?

A. Figure A has more edges than figure B.
B. Figure A has fewer edges than figure B.
C. Figure B has longer edges than figure A.
D. Figure B has shorter edges than figure B

9. **The diagram below shows a group of pipes in a basement. Which two pipes appear to be parallel?**

A. Pipes 1 and 3

B. Pipes 2 and 3

C. Pipes 1 and 4

D. Pipes 2 and 4

10.

Ms. Talbot taught her class to make paper models of geometric figures. Each student created a closed figure with a square base, five vertices, and four triangular faces. Which geometric figure did Ms. Talbot's class create?
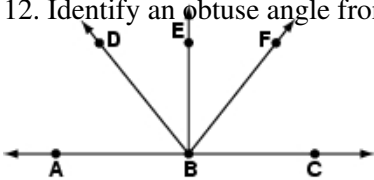
A. Triangular Prism
B. Rectangular Prism
C. Triangular Pyramid
D. Rectangular Pyramid

11.

Joe cut three shapes out of paper. He has two circles that are the same size and one rectangle with two sides equal in length to the circumference of the circles. Which shape can Joe MOST LIKELY form?

A. cube
B. cone
C. prism
D. cylinder
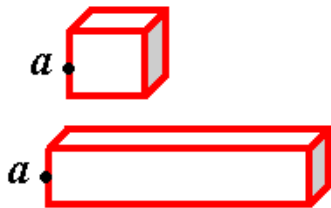
12. Identify an obtuse angle from the picture below.

A. ∠ACD
B. ∠DBC
C. ∠EBC
D. ∠FBC

13. A given parallelogram has 4 congruent sides and one pair of opposite acute angles. What is the correct name for this parallelogram?

A. trapezoid
B. rectangle
C. rhombus
D. square

14.

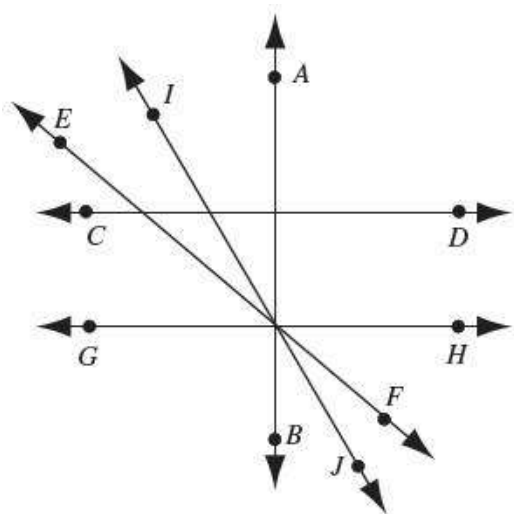Which of these BEST describes the location of Point a in the two figures?

A. on a vertex
B. on an edge
C. in the center of a face
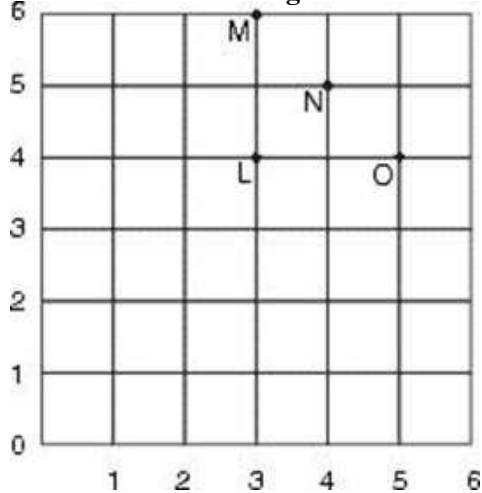D. in the center of a base

15.

Which of the following lines appears to be perpendicular to $\overleftrightarrow{CD}$?

A. $\overleftrightarrow{AB}$

B. $\overleftrightarrow{EF}$

C. $\overleftrightarrow{GH}$
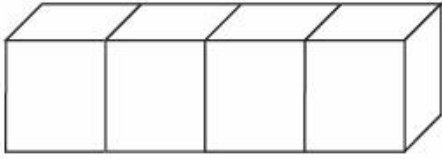
D. $\overleftrightarrow{IJ}$

16. **Look at the grid below. What is the ordered pair at point M?**

A. (3, 4)
B. (3, 6)
C. (4, 5)
D. (5, 4)

17. Ms. Crow glued 4 white cubes together as shown below. Then she painted the entire figure red.

How many faces of the 4 cubes were painted red?

A. 4

B. 9

C. 18
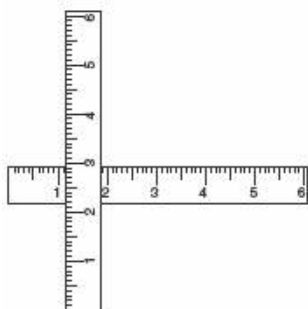
D. 24

Answer Key

1. A) circle

2. D) rectangle, square, rhombus

3. D) 6 rectangles

4. C) Pyramid

5. B) **G.**

6. C) C

7. C) 10

8. C) Figure B has longer edges than figure A.

9. C) Pipes 1 and 4

10. D) Rectangular Pyramid

11. D) cylinder

12. B) $\angle DBC$

13. C) rhombus

14. B) on an edge

15. A) $\overleftrightarrow{AB}$

16. B) (3, 6)

17. C) 18