

PRE-TEST
14

Three-Dimensional Shapes

Vocabulary

Fill in the blanks.

Use the words in the box.

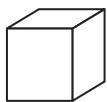
1. A _____ is a flat figure made up of line segments, curves, or both.
2. In a polygon, the _____ are formed when two sides meet at a point.
3. A _____ is a plane figure.
4. A _____ is a solid figure.
5. _____ figures have the same shape and size.

vertices
plane figure
congruent
pentagon
pyramid

Concepts and Skills

Write your answer in the space provided.

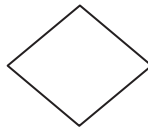
6. Identify the plane figures and the solid figures.



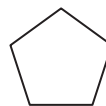
A



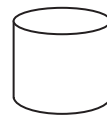
B



C



D



E



F

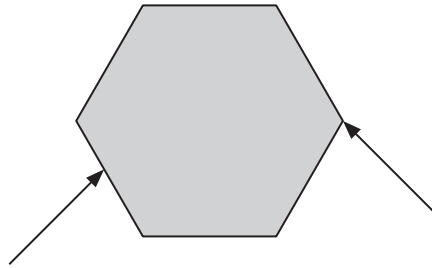
The plane figures are _____.

The solid figures are _____.

Name: _____

Date: _____

7. Name the parts of the polygon.

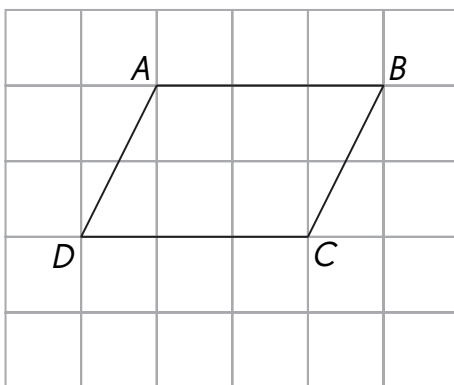


8. Name a solid which has only a curved surface.

9. Name a solid which has 1 flat surface and 1 curved surface.

10. Name a solid which has only flat surfaces.

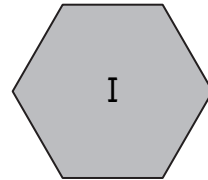
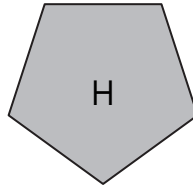
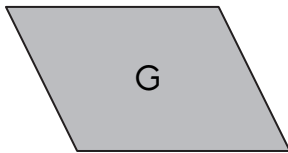
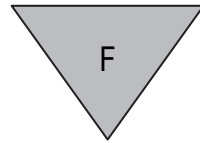
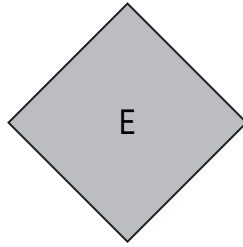
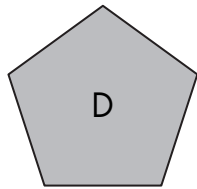
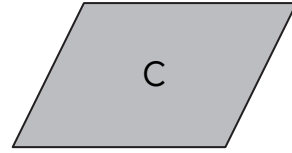
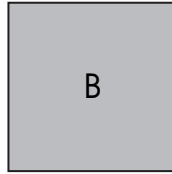
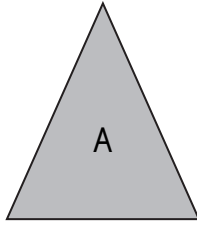
11. Look at the figure. Name a pair of parallel line segments.

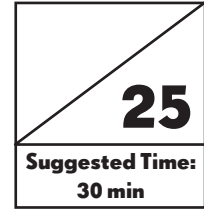


Name: _____

Date: _____

12. Trace the figures. Then identify the pairs of congruent figures.

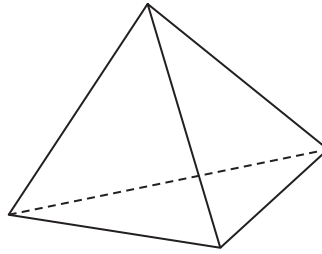


TEST PREP
14**Three-Dimensional
Shapes****Multiple Choice**

(5 × 2 points = 10 points)

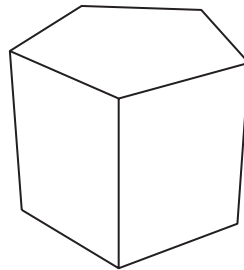
Fill in the circle next to the correct answer.

1. Name the solid.



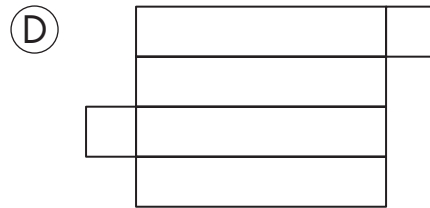
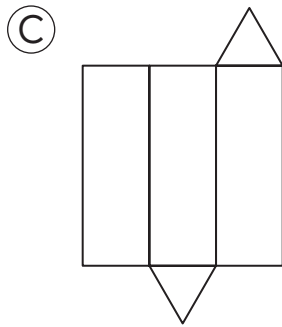
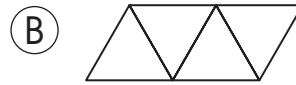
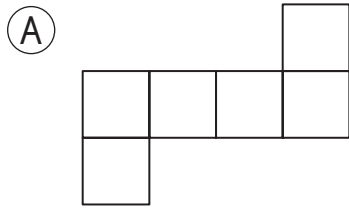
- (A) triangular prism (B) triangular pyramid
(C) square pyramid (D) rectangular prism

2. How many faces and vertices does the solid have?



- (A) 5 faces, 5 vertices (B) 5 faces, 7 vertices
(C) 7 faces, 10 vertices (D) 5 faces, 10 vertices

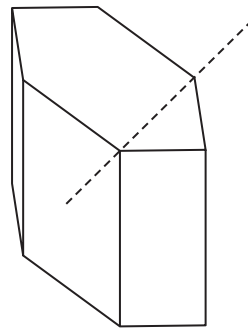
3. Which net would form a rectangular prism?



4. Which solid does **not** have flat surfaces?

- (A) cone (B) cylinder (C) cube (D) sphere

5. The solid is cut vertically along the line shown. Name one of the solids that is formed.



- (A) triangular prism (B) rectangular pyramid
 (C) triangular pyramid (D) rectangular prism

Name: _____

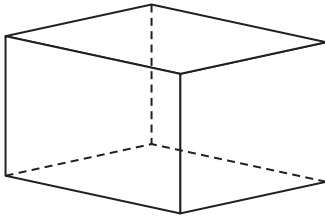
Date: _____

Short Answer

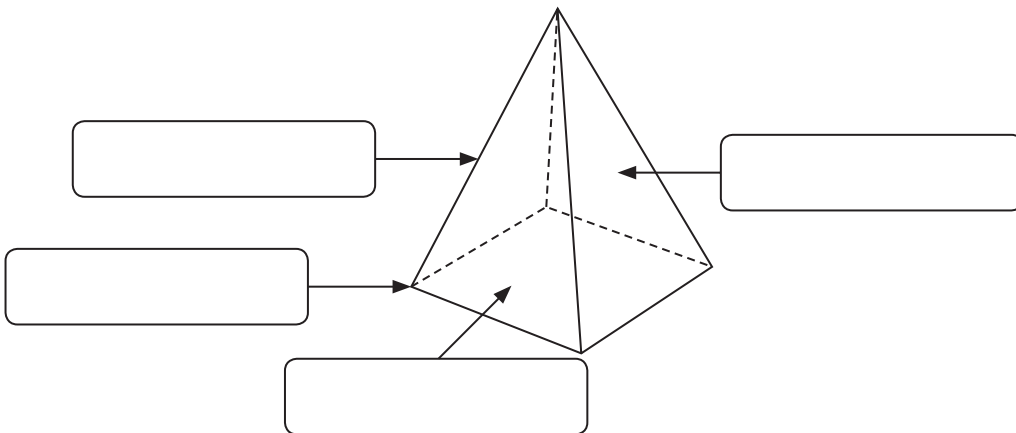
(5 × 2 points = 10 points)

Write your answer in the space provided.

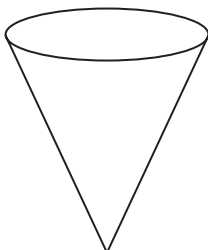
6. Name the solid.



7. Name the parts of the solid.



8. Explain why this figure is not a pyramid.

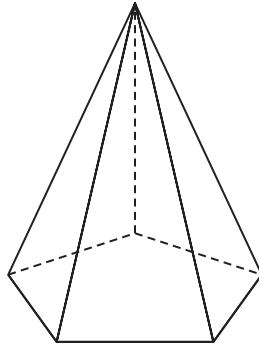


Name: _____

Date: _____

Complete.

9. The solid figure is a pentagonal pyramid.



- a. How many edges and vertices does a pentagonal pyramid have?

- b. Name the shapes of the base and the faces.

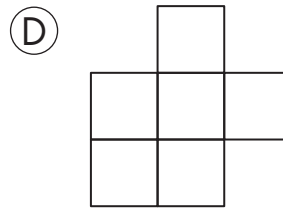
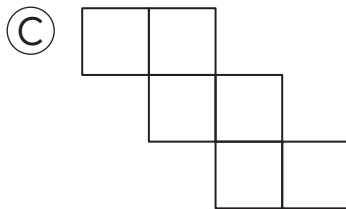
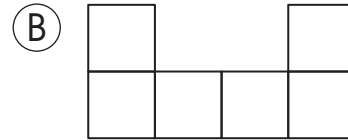
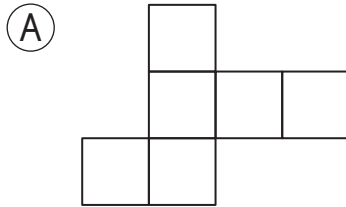
10. Draw a net for the cylinder.

Extended Response

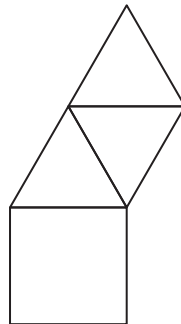
(Question 11: 2 points, Question 12: 3 points)

Solve.

11. Which two of these nets can form a cube? Fill in the circles next to the correct answers.



12. Draw the missing face to show the net of a pyramid. Then identify the type of pyramid that can be formed from this net.



The type of pyramid that can be formed is a _____.