

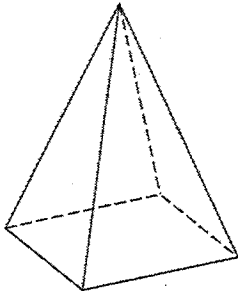
LESSON
10-1

Practice B

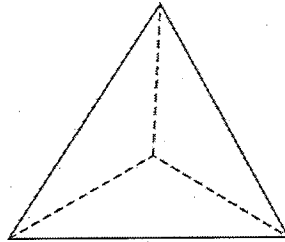
Introduction to Three-Dimensional Figures

Identify the bases and faces of each figure. Then name the figure.

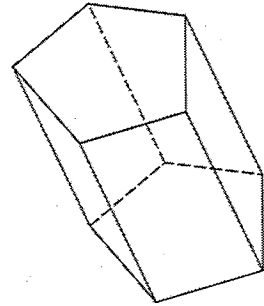
1.



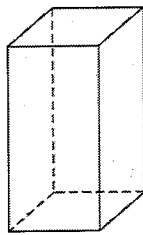
2.



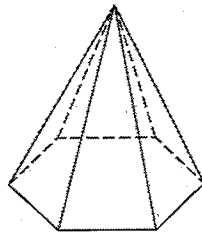
3.



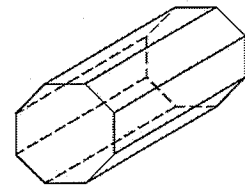
4.



5.

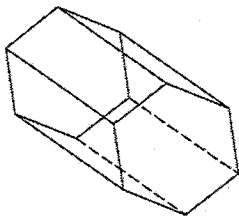


6.

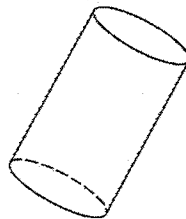


Classify each figure as a polyhedron or not a polyhedron. Then name the figure.

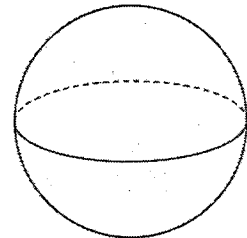
7.



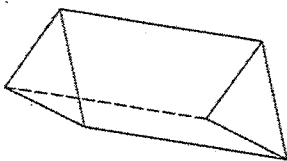
8.



9.



10.



11.



12.



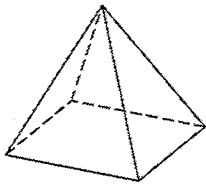
LESSON
10-1

Practice C

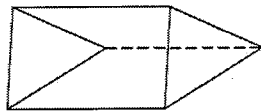
Introduction to Three-Dimensional Figures

Identify the bases and faces of each figure. Then name the figure.

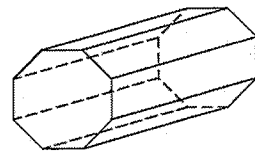
1.



2.

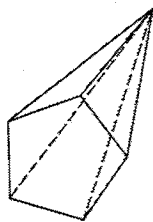


3.

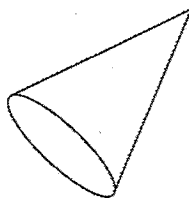


Classify each figure as a polyhedron or not a polyhedron. Then name the figure.

4.



5.



6.



Identify the three-dimensional figure described.

7. three pairs of congruent rectangular sides

8. square base, four triangular faces

9. equilateral triangular base, three congruent equilateral triangular faces

10. two pentagonal bases, five parallelogram faces

11. two congruent circular bases

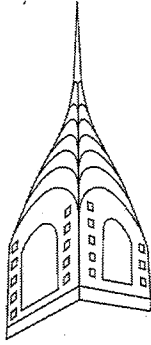
12. hexagonal base, six triangular faces

LESSON
10-1

Problem Solving

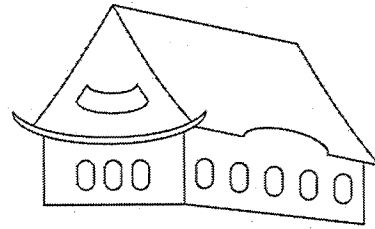
Introduction to Three-Dimensional Figures

Write the correct answer.



1. The picture above shows the top of the Chrysler Building in New York City. It was completed in 1930. Does the top of the tower most resemble a prism or a pyramid? Explain.

3. An architect designed a structure for the top of building. The structure has a vertex, one circular base, and a curved surface. What three-dimensional figure is it?

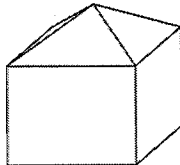


2. The picture above shows the rooftop of Himeji Castle, completed in 1614 in Donjon, Himeji City, Japan. Do the rooftops resemble pyramids or prisms? Explain.

4. On a farm, grain is stored in a silo. This is a very tall structure with a circular base and top and a curved surface. What three-dimensional figure does it resemble?

Choose the letter of the correct answer.

5. James put two blocks together to build the figure shown. Identify the two figures he used.



- A two pyramids
B a pyramid and a prism
C a pyramid and a cone
D two prisms

6. Jaime constructs a figure that has one rectangular base and four triangular faces. What is the figure?

- F a cone
G a triangular pyramid
H a rectangular pyramid
J a rectangular prism

7. The shape of a log is most like which figure?

- A cylinder C prism
B pyramid D cone