

7-4 • Guided Problem Solving

Student Page 274, Exercise 16:

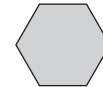
A three-dimensional figure has a rectangular vertical cross section and a horizontal cross section in the shape of a hexagon.

What is the three-dimensional figure?

vertical
cross section



horizontal
cross section



Understand

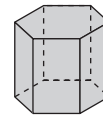
1. Circle the information you will need to solve this problem.
2. What are you being asked to do?

Plan and Carry Out

3. Is the three-dimensional figure you will identify going to be a prism or a pyramid?

4. What shape will the face(s) of the figure have?

5. Draw and identify the three-dimensional figure.



Check

6. Draw the two cross sections given in the problem on your figure to check your answer.

Solve Another Problem

7. A three-dimensional figure has a trapezoidal vertical cross section and a horizontal cross section in the shape of a rectangle.

What is the three-dimensional figure?

vertical
cross section



horizontal
cross section

