Module 10   **Coordinate Geometry and Spatial Visualization**
Lesson 5   **Building Models**

Lesson Objectives

- Identify two-dimensional patterns (nets) for three-dimensional solids, such as prisms, pyramids, cylinders, and cones.
- Build three-dimensional solids from two-dimensional patterns (nets).
- Recognize the front, side, and top views of three-dimensional figures.
- Sketch front, top, and side views of three-dimensional figures with or without technology.
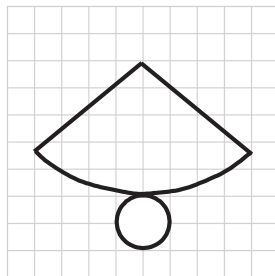
Subtopic 1   **Nets for Three-Dimensional Figures**

A net is a **two**-dimensional pattern that can be folded to make a **three**-dimensional figure.
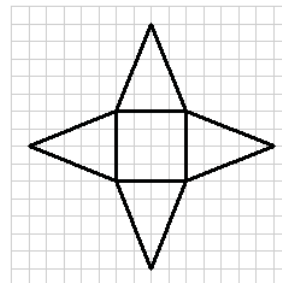
1 Draw a net for the figure.
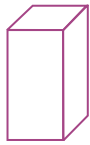
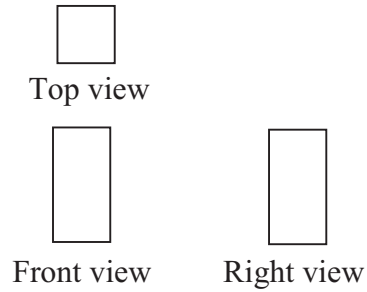**What solid figure does the net represent?**

2

Cone

3

Square pyramid

4   What solid figure has these views?

Rectangular prism

Top view

Front view   Right view

5   What solid has these top, front, and side views?

Hexagonal prism

Top view

Front view   Right view
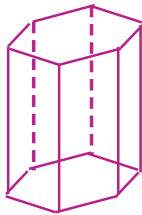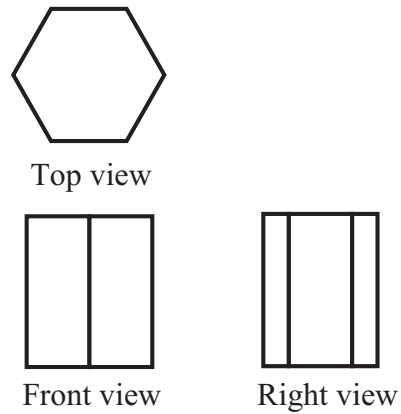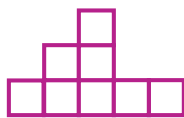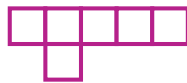
6   Draw the front, top, and left views of the figure.

Front view   **Top view**   **Left view**