

## Identify Solid Figures

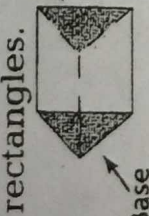
## Skill 7B

A **polyhedron** is a solid figure with faces that are polygons. Below are three types of solid figures: *prisms, pyramids, and solids with curved surfaces*.

### Prism

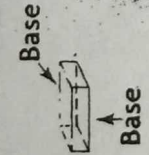
A **prism** is a solid figure that has two congruent, polygon-shaped faces called **bases**.

All other faces of a prism are rectangles.



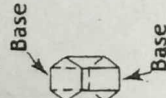
#### Triangular Prism

2 triangular bases  
3 rectangular faces



#### Rectangular Prism

2 rectangular bases  
4 rectangular faces



#### Pentagonal Prism

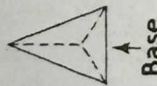
2 pentagonal bases  
5 rectangular faces

#### Hexagonal Prism

2 hexagonal bases  
6 rectangular faces

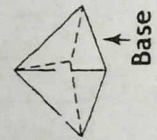
### Pyramid

A **pyramid** is a solid figure that has only *one* polygon-shaped base. All other faces are triangles that meet at the same vertex.



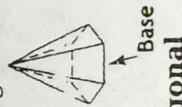
#### Triangular Pyramid

1 triangular base  
3 triangular faces  
vertex



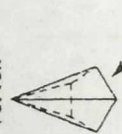
#### Square Pyramid

1 square base  
4 triangular faces



#### Hexagonal Pyramid

1 hexagonal base  
6 triangular faces

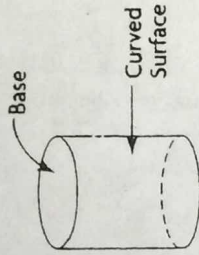


#### Pentagonal Pyramid

1 pentagonal base  
5 triangular faces

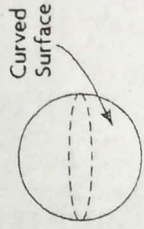
### Curved Surfaces

Solids with **curved surfaces** are **not** polyhedrons.



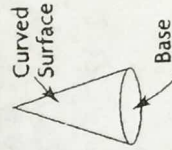
#### Cylinder

2 flat circular bases  
1 curved surface



#### Sphere

no flat bases  
1 curved surface



#### Cone

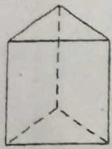
1 flat circular base  
1 curved surface



# Practice on Your Own

# Skill 78

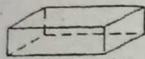
## Prisms



Triangular Prism



Pentagonal Prism



Rectangular Prism

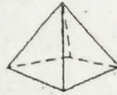


Hexagonal Prism

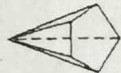
## Pyramids



Triangular Pyramid



Square Pyramid



Pentagonal Pyramid



Hexagonal Pyramid

## Curved Surfaces



Cylinder



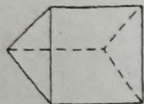
Cone



Sphere

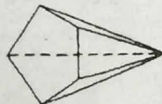
Complete. Name each solid figure.

1



Number of bases \_\_\_\_\_  
 Shape of bases \_\_\_\_\_  
 Name of figure \_\_\_\_\_

2



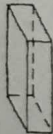
Number of bases \_\_\_\_\_  
 Shape of base \_\_\_\_\_  
 Name of figure \_\_\_\_\_

3



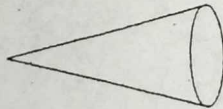
Number of bases \_\_\_\_\_  
 Shape of bases \_\_\_\_\_  
 Name of figure \_\_\_\_\_

4



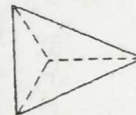
Number of bases \_\_\_\_\_  
 Shape of bases \_\_\_\_\_  
 Name of figure \_\_\_\_\_

5



Number of bases \_\_\_\_\_  
 Shape of base \_\_\_\_\_  
 Name of figure \_\_\_\_\_

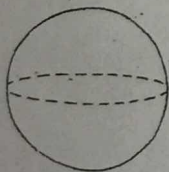
6



Number of bases \_\_\_\_\_  
 Shape of base \_\_\_\_\_  
 Name of figure \_\_\_\_\_

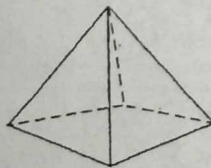
Name each solid figure.

7



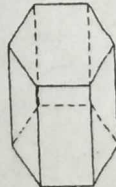
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8



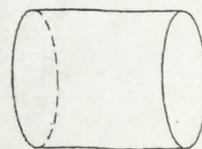
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9



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10



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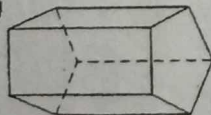
Name each solid figure.

11



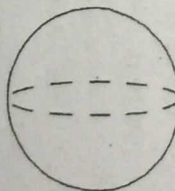
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12



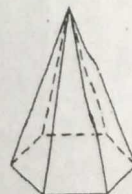
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13



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14



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