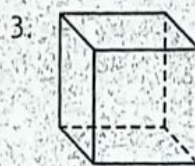
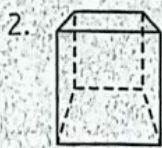
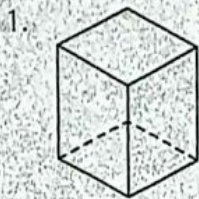


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Practice

1. Here are three perspectives of a solid.



Indicate which perspective is

a) oblique \_\_\_\_\_ b) axonometric \_\_\_\_\_ c) linear \_\_\_\_\_

2. Explain how you can generate, by rotating around an axis,

a) a cylinder with a radius of 3 cm and a height of 10 cm.

\_\_\_\_\_

b) a cone with a radius of 3 cm and a slant height of 5 cm.

\_\_\_\_\_

c) a sphere with a 3 cm radius.

\_\_\_\_\_

3. Explain how to construct a cone with a 6 cm radius and a height of 8 cm.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

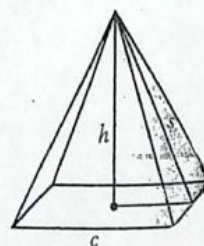
4. Indicate the relation between

a) the radius  $r$ , the height  $h$  and the slant height  $s$  of a cone.

\_\_\_\_\_

5. The pyramid on the right with height  $h$  and slant height  $s$  has a base with side length  $c$ . Complete the following table.

$h$	$c$	$s$
3	8	
5		9
	3	4



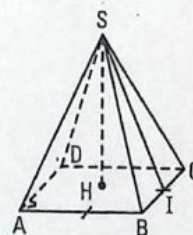
6. a) Name the given right solid.

\_\_\_\_\_

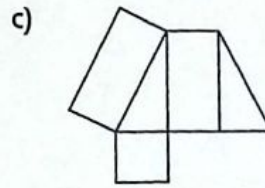
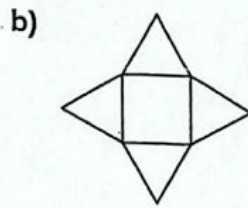
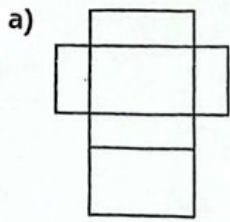
b) Complete the description.

1.  $ABCD$  is \_\_\_\_\_ 2.  $S$  is \_\_\_\_\_

3.  $\overline{SH}$  is \_\_\_\_\_ 4.  $\overline{SI}$  is \_\_\_\_\_



7. The nets of various solids are represented below. Name each solid based on its net.

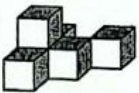


8. Complete the following table using the solids below.

Solid 1

Solid 2

Solid 3



SOLID	1	2	3
Number of small cubes according to the back view			
Number of small cubes according to the top view			
Number of small cubes according to the right view			

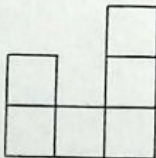
9. Top views of three objects are shown. The numbers indicate the quantity of small cubes that are stacked.



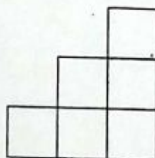
<table border="1"> <tr><td>3</td><td>1</td><td>1</td></tr> <tr><td>2</td><td>1</td><td>2</td></tr> <tr><td>1</td><td></td><td></td></tr> </table> <p>Object A</p>	3	1	1	2	1	2	1			<table border="1"> <tr><td>2</td><td>1</td><td>3</td></tr> <tr><td>2</td><td></td><td>2</td></tr> <tr><td>1</td><td></td><td></td></tr> </table> <p>Object B</p>	2	1	3	2		2	1			<table border="1"> <tr><td>3</td><td>2</td><td>2</td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>1</td><td>1</td><td>1</td></tr> </table> <p>Object C</p>	3	2	2	2			1	1	1
3	1	1																											
2	1	2																											
1																													
2	1	3																											
2		2																											
1																													
3	2	2																											
2																													
1	1	1																											

Name the object that produces the following views.

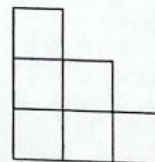
1) FRONT



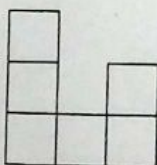
2) RIGHT



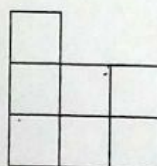
3) LEFT



4) FRONT



5) FRONT



6) BOTTOM

