

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

## **3D GEOMETRY TEST**

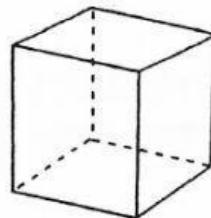
1. Name and describe the following 3D shapes

a) Name: \_\_\_\_\_

Faces: \_\_\_\_\_

Edges: \_\_\_\_\_

Vertices: \_\_\_\_\_

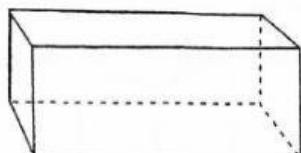


b) Name: \_\_\_\_\_

Faces: \_\_\_\_\_

Edges: \_\_\_\_\_

Vertices: \_\_\_\_\_

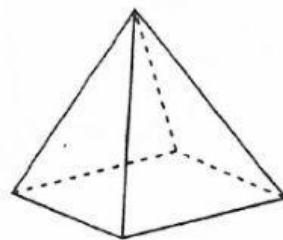


c) Name: \_\_\_\_\_

Faces: \_\_\_\_\_

Edges: \_\_\_\_\_

Vertices: \_\_\_\_\_

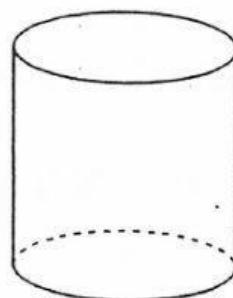


d) Name: \_\_\_\_\_

Faces: \_\_\_\_\_

Edges: \_\_\_\_\_

Vertices: \_\_\_\_\_



## 6. Multiple choice

- Skeletons don't have:  
a) Faces      b) edges      c) vertices
- A prism has:  
a) 2 bases      b) 1 base      c) no bases
- What shape has 5 vertices?  
a) cube      b) pyramid      c) cylinder
- All 3D shapes have faces  
a) True      b) False

7. Who am I? Identify the shape that fits the following clues.

- a) I have 12 edges all the same length \_\_\_\_\_
- b) I have 3 surfaces and 1 is curved \_\_\_\_\_
- c) I have some triangular faces \_\_\_\_\_
- d) I have 6 rectangular faces \_\_\_\_\_
- e) I have only 1 flat face and 1 vertex \_\_\_\_\_
- f) I have no faces, edges or vertices \_\_\_\_\_

8. How many of each shape can be found in the following diagram?

Cubes \_\_\_\_\_

Prisms \_\_\_\_\_

Cones \_\_\_\_\_

Pyramids \_\_\_\_\_

