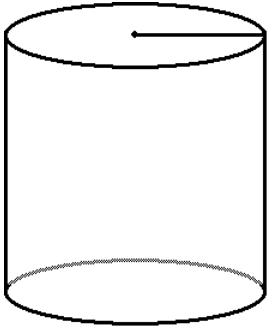


Objective: to analyze cross sections of various objects and make conclusions from our observations.

Object 1: Cylinder

Vertical Cross Sections:

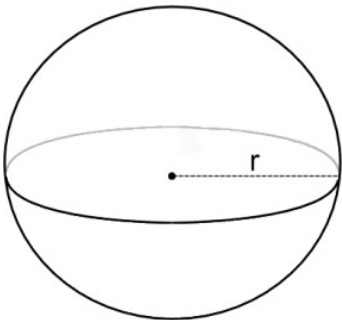
Horizontal Cross Sections:



Object 2: Sphere

Vertical Cross Sections:

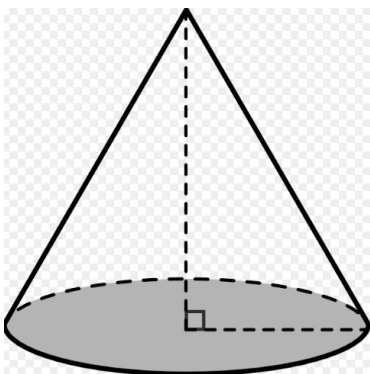
Horizontal Cross Sections:



Object 3: Cone

Vertical Cross Sections:

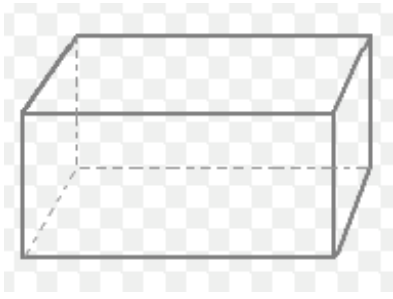
Horizontal Cross Sections:



Object 4: Rectangular Prism

Vertical Cross Sections:

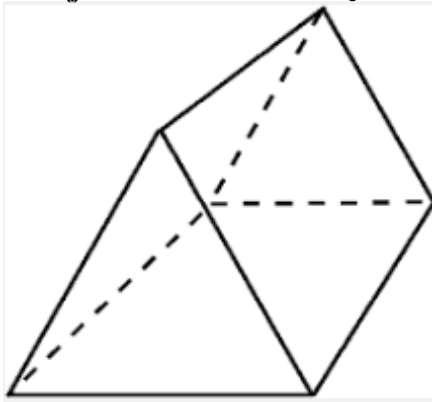
Horizontal Cross Sections:



Object 5: Triangular Prism

Vertical Cross Sections:

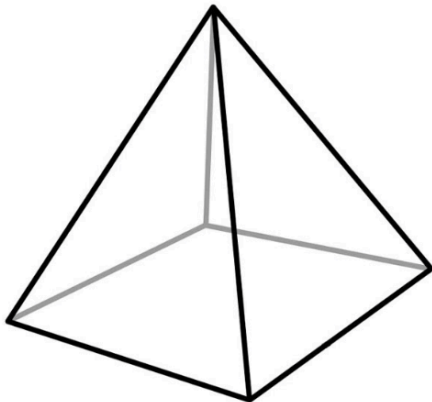
Horizontal Cross Sections:



Object 6: Square Pyramid

Vertical Cross Sections:

Horizontal Cross Sections:



Summary:

Tell me at least five things you learned throughout this lab:

1. _____

2. _____

3. _____

4. _____

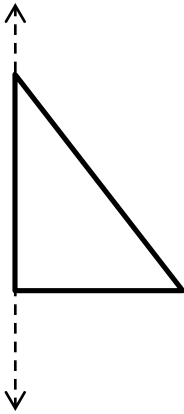
5. _____

6. _____

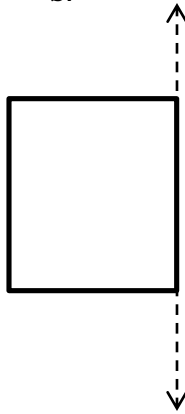
7. _____

Example 1: Visualize the 3-dimensional solid that would be formed if each of the following figures was rotated around the axis represented by the dashed line. Sketch and name that figure.

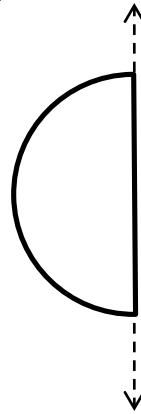
a.



b.



c.



Example 2: Visualize each of the following 3-dimensional figures. Sketch and name each solid.

a. A circle rotated about one of its diameters. b. An isosceles triangle rotated about its base.

c. A rectangle rotated about one of its sides. d. A right triangle rotated about one of its legs.