

Chapter 2: Surface Area

Section 2.2 - Nets of 3D Objects

Nets of 3D objects

- A **2D** shape that when **FOLDED**, encloses a **3D** object
- Some **3D** objects have **MULTIPLE** nets
- You can draw a net by **VISUALIZING** what it would look like if you cut the **EDGES** and flattened it out

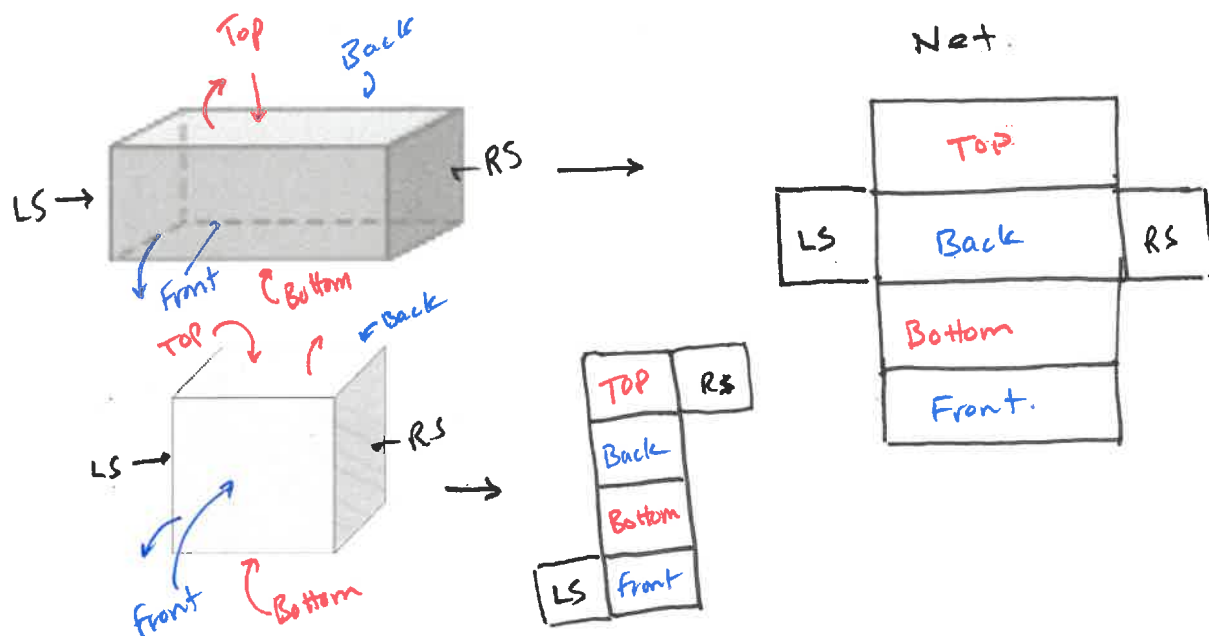
Prism

- A solid shape that has two **FACES** that are **CONGRUENT** and **PARALLEL**
- These faces are called **BASES**
- Prisms are named for their **BASES**

↳ Same size and shape.

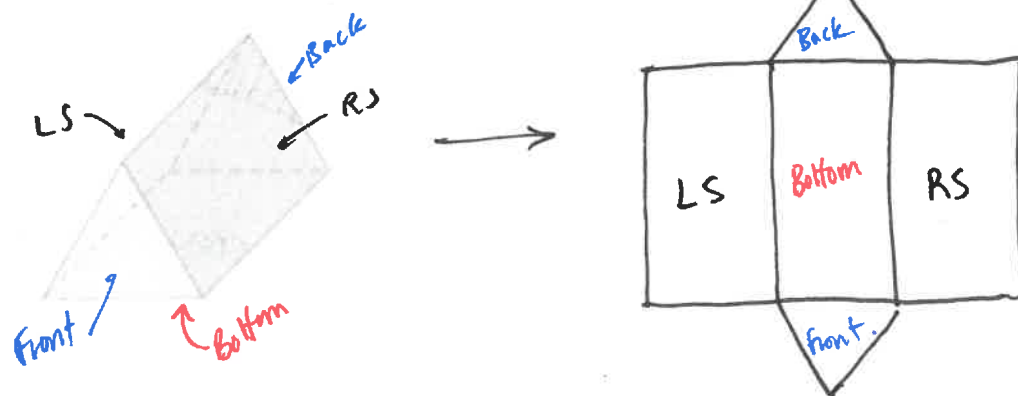
Rectangular Prism

- A prism whose **BASES** are congruent **RECTANGLES**



Triangular prism

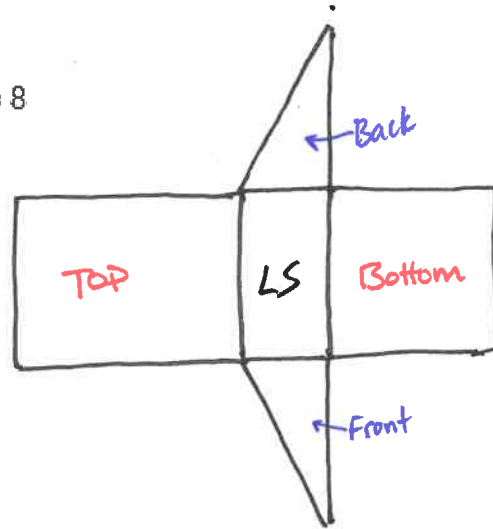
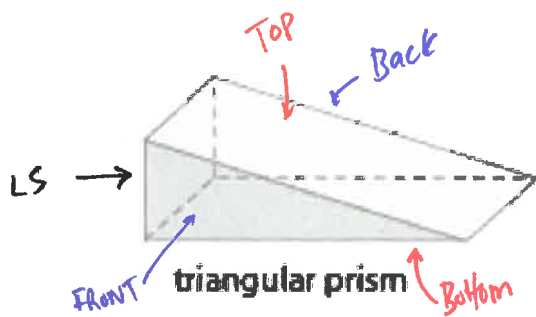
- A prism whose **BASES** are congruent **TRIANGLES**



Name:

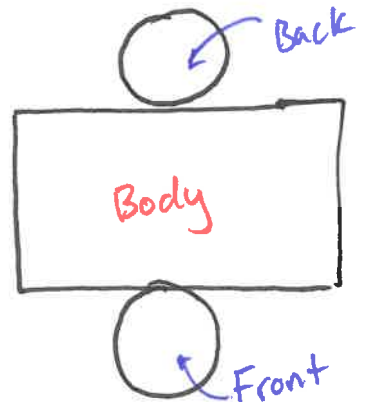
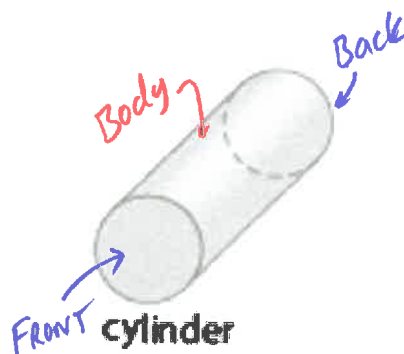
Math 8

Date:



Cylinders

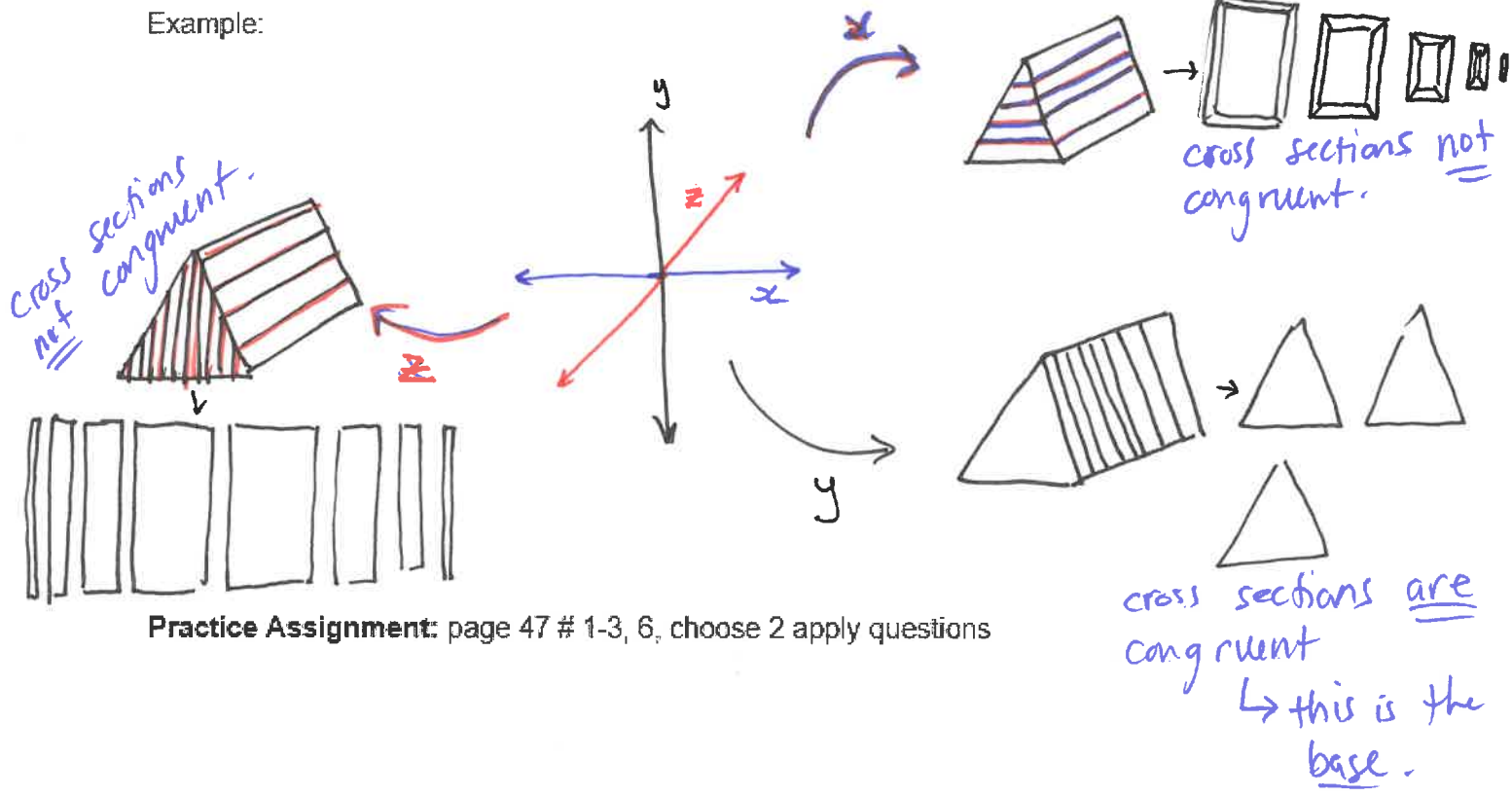
- A prism whose **BASES** are congruent **CIRCLES**



How to determine the base of a prism

- Make a cross sectional cut along one of three axis (x, y, z)
- The base will be the exact same no matter where you make you cross section along that axis

Example:



Practice Assignment: page 47 # 1-3, 6, choose 2 apply questions