**Math 8: Volume**

**Section 7.3**

Remember that the general formula for the volume of a prism is:

Since a cylinder has bases that are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the area of the base is given by \_\_\_\_\_\_\_\_\_\_\_\_. This means that the volume of a cylinder is given by the formula:

Example 1: What is the volume of a cylinder with radius 5 cm and height 10 cm?

Example 2: What is the volume of a cylinder with diameter 6 cm, and height 8 cm?

How can we get more volume? What dimensions of a cylinder will give the largest volume?

* Homework:
  + Pg 250 #3-5
  + Pg 258 # 4-10