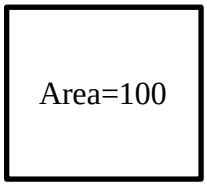
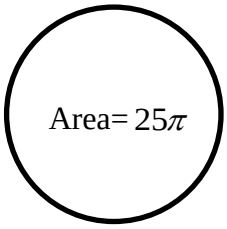
Wisdom Lane Middle School Homework #112 Date:_____
Name:_____ Period:_____
Teacher: Mr. Tomeo

Final Review
Area, Perimeter, Volume and Surface Area

1. The **area** of the square pictured **is 100**. What is the **perimeter**?

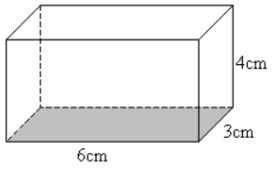


2. The **area** of the circle pictured **is** 25π. Find the **circumference in terms of** π and to the ***nearest 100th*.**

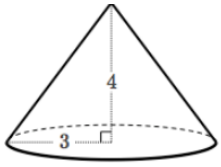


3. Find the **volume** of the pictured prism, cone, sphere or cylinder **in terms of** π and to the ***nearest 100th*.**

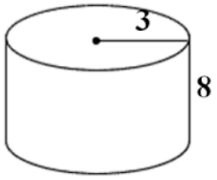
a.



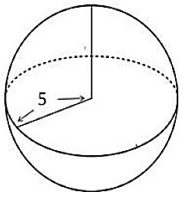
b.



c.



d.



4. You have two cylinders. One is twice as tall but has a radius only half as long. Which has the greater volume? Show computations to support your answer. Draw pictures and create an example to help.

5. You have a rectangular prism with dimension ***length***, ***width*** and ***height.*** All different values. Create examples to help with the following questions.

   a. What would happen the volume if you just doubled the height?

   b. What would happen the volume if you just doubled the height and the length?

   c. What would happen the volume if you doubled the height, length and width?