

ENGR GSET: Programming - Summer 2022

Lab 1: Variables and Assignment

Names: _____

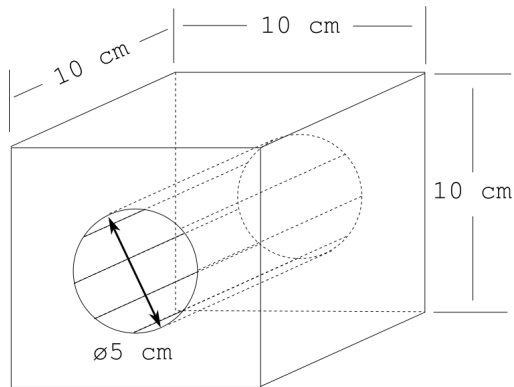
Overview :

You will learn to use variables to store decimal numbers and practice a few basic calculations with the MATLAB command syntax. Turn in this sheet with the answers and a record of the commands you used to solve each problem.

Assignment :

1. ($\frac{40}{100}$ pts.) Assume the **shape 1** and **shape 2** below are made of steel with a density of $8050 \frac{kg}{m^3}$. Use the command window to calculate the *mass* of **shape 1** shown below.

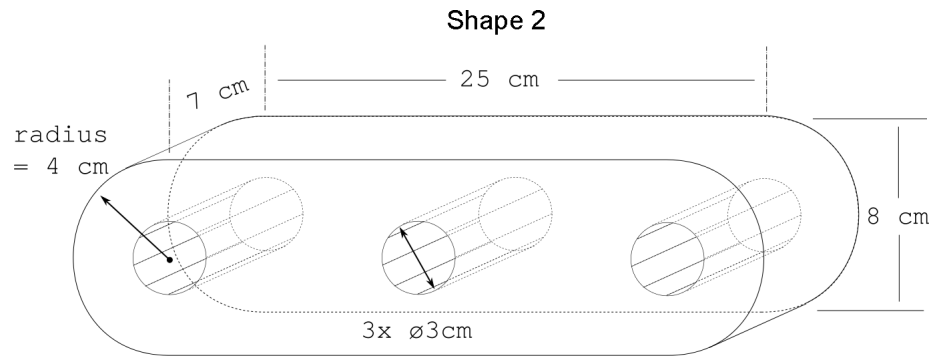
Shape 1



volume: _____

mass: _____

2. ($\frac{40}{100}$ pts.) Use the command window to calculate the *mass* of **shape 2** shown below.



volume: _____

mass: _____

[illegible]