EOSC 211: Logical Indexing & Formatted I/O

Group #: _____ Name: _____

Logical Indexing Practice

A. In the lab today you will be looking at the commuting data from week 2. The variable "md" is an Nx1 array containing the mode of transport. "md" is a character array containing "B" if the mode of transportation was bus, "W" for "walk", "R" for bike, "C" for car. The array "mins" is the corresponding Nx1 array containing the travel time in minutes to UBC for person (mins is ordered in the same way as md). Finally the array "km" is the corresponding Nx1 array containing the travel distance in km to UBC. Using logical indexing, how would you calculate

the median commuting time for people who drive?

the median distance driven?

the number of people who drive?

Some preparation for today's lab: understanding the code.

B. What do each the following lines of code do?

```
x=rand(10,4);
xmean=mean(x);
plot(x,'*-');
```