# Shared Review Doc for Midterm 2 (will be posted on Canvas Friday evening)

## Schedule reminders

* Monday Review + lab time
* Wednesday FINAL **take-home**

## Exam format questions

## Exam topic questions

Pointers

* Dealing with memory addresses
  + Get the address from a variable
  + Get a value at a given address

Dynamic Arrays

* Dynamic memory allocation
  + New
  + Delete, delete[]
* Syntax for manually allocating memory
* Heap & Stack (types/parts of computer memory)
  + Memory diagram

Advance Classes & Objects

* Copy Constructor
  + Rule Of Three
  + Assignment Operator, Copy Constructor, and Destructor
* Operator Overloading
* Aggregation (HAS A relationship)

C style strings

* <cstring>
* <cctype>
* ASCII