**JUN 29 Introduction, operators and expressions**

**Concepts (blank page review)**

MATLAB (Matrix Laboratory)

Value

Data type (a set of values and the operations on them)

Variable (a named memory location)

Operator

Order of precedence

Expression

Assignment statement (evaluates the expression on the right and assigns the value to the variable on the left)

Array

Size, length, numel

Index

Colon notation

Subarray assignment

Control flow

Branching: if statements

Looping: while, for statements

Nested loops

Function

Abstraction

Specification

Test

Nested call, memory stack

Recursion

**Problems (whiteboard, notebook)**

**Recap (flow chart)**