Section 1.1

* Object Linear equation
  + = a1x1 + a2x2 + … + anxn = b
    - x = variables
    - a = coefficients
    - b = constant
* Object System of linear equations
  + Multiple linear equations with same set of variables (xn)
  + Same set of variables
  + isConsistent(solution set)
    - True if solution set > 0
    - False if solution set
* Object Solution set of system
  + Set of solutions, each containing values of coefficients (an) that satisfy equations given aforementioned variables (xn)
  + System can lack any
  + System can have one solution
  + Solution can have infinite solutions
* Object Series of systems of equations
  + More than 1 series of equations, shares set of variables (xn)
  + Equivalent if share solution sets
* Object Matrix
  + Rectangular grid of numbers
  + Composed of n rows and m columns
    - n x m matrix
  + isRowEquivalent(Matrix)
    - True if input matrix can be obtained by manipulating object matrix with “elementary row operations”
* Object representation Coefficient matrix of a linear system
  + Each column represents each variable
  + Each row represents linear system
    - Each entry in each row represents coefficients in linear system
* Object representation Augmented matrix of a linear system
  + Coefficient matrix with extra column on right representing the constant b for each given system (row)