Concepts to know (Exam 1)

Chapter 1 and Chapter 2

- Lines (Intersection point, Linear Modeling).

- Cost, Revenue, and Profit Equations; Break even Values; supply and demand functions; equilibrium point.

- Least squares regression (Linear regression)

- Solving systems of equations (Substitution method, Gauss-Jordan Method, rref, Different types of answers (No solution, Exactly one solution, Infinite solutions - Written in parametric form, Placing restriction on the parameter), Row reduced form).

- Matrix Operations (Addition, Subtraction, Multiplication, Equality, Scalar multiplication, Transpose, Inverses Matrices, Translating word problems to systems of equations).

- Any additional topic discussed in class.