Class 15: Wednesday February 28

SUMMARY Review for Exam 1
CURRENT READING Poole 3.5 and 6.1

Summary
Let’s review the main concepts and ideas in the class so far by engaging in a concept map exercise.

Homework Assignment
NONE. Suggestion: Review Questions at the end of Chapter 1, 2 and 3

Scalars and Vectors
Lengths and Dot Products
Projections and Equations of Lines
Equations of Planes
Understanding Linear Systems of Equations
Solving Linear Systems of Equations
Reduced Row Echelon Form and Rank
Elimination using Matrix Operations
Linear Independence and Span
Applications of Linear Systems
Matrix Properties
Matrix Algebraic Operations
The Inverse Matrix
Elementary Matrices and the Fundamental Theorem of Inverses (Version 1)
LU Decomposition and Permutation Matrices

(YOURS:) __________________