

Test 2 - Review

Topics:

Chapter 2

2.1: Matrix operations

- addition, multiplication
scalar multiplication
- transpose

2.2: Matrix inverse

- finding inverse

2.3: Properties of inverse

- know how to use thrm 8

2.4: Partitioned Matrices

- adding, multiplying
- know thms #5, #6

2.5: LU factorization

- finding L & U
- solving $Ax=b$ by $LU=A$

Chapter 3

3.1: Intro to determinants

- find $\det A$ by definition
- cofactors

3.2: Properties of determinants

- thrm 3-6
- find $\det A$ by row operations

Review

- Solve system $Ax=b$ using rref
- Solution set written in parametric vector form