

Math 341 (Spring 2016), review for first exam

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1 Notes

The exam will cover the portions of chapters 1 and 2 of Andrilli and Hecker discussed in class as well as section 1.B from Axler (but remember that for us $F = \mathbb{R}$).

2 Things you should know

1. The basic properties of matrix and vector arithmetic,
2. The norm and dot product of vectors,
3. How to transform a system of equations into a matrix equation,
4. How to use solve matrix equations using Gaussian elimination (and Gauss-Jordan elimination),
5. How to find the inverse of a matrix,
6. The definition of a vector space and some examples (other than \mathbb{R}^n).