

## MATH 307 Section C, Homework No. 7

### Reading

Section 4.3 (may omit section on the ‘Spanning Set Theorem’ and Section on ‘Two Views of a Basis’), 4.5, 4.6 (may omit Section on the ‘Row Space’), 4.4. (This is the order which was followed in class)

**Assignment to be handed in by Thursday March 13-th Problems in bold face will be graded**

### Exercises

Section 4.3: Exercise 1, 3, **4**, 5, **8**, 15, **20**, **34**

Section 4.4: Exercise 5, 7, 13, **14**.

Section 4.6: Exercise 1,3, **4**,<sup>1</sup> 7, 9.

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<sup>1</sup>Notice: in all cases the matrix  $B$  is in REF. Saying that  $A$  is row equivalent to  $B$  simply means that using row reduction we can transform  $A$  into  $B$