

MATH 307 Section C, Homework No. 5

Reading

Sections 3.1, 3.2, 3.3.

Assignment to be handed in by Thursday February 28-th Problems in bold face will be graded

Exercises

Section 3.1: Exercise 1, 3,15.

Section 3.2: Exercise 1, 3, 5, **10,15, 16.**

Section 3.3: Exercise 1,**3,6.**

Extra Credit Problem

Do these two sentences mean the same thing? (Justify your answer)

a) \vec{v}_1, \vec{v}_2 and \vec{v}_3 are linearly independent.

b) \vec{v}_1 is NOT in the span of $\{\vec{v}_2, \vec{v}_3\}$