Weekly Homework 1

Math 250

September 4, 2013

1   Section 1.1 (page 11)

A. 1 to 24 odds.

B. 37 to 56. If the statement is false, provide an example to demonstrate why it is false (this is called a counterexample).

C. 67-70.

2   Section 1.2 (page 25)

A. 1,5,6,8,9,10,12,13,14,15.

B. 29 to 44, odds.

C. 45-63, skip 53, 60, 61. If the statement is false, provide a counterexample.

For definition of standard vectors, see textbook page 17. Also read the fact in the box at the bottom of page 17: If $\mathbf{u}$ and $\mathbf{v}$ are any nonparallel vector in $\mathbb{R}^2$ then every vector in $\mathbb{R}^2$ is a linear combination of $\mathbf{u}$ and $\mathbf{v}$ and Practice Problem 1 on page 18.