

MAT 67, Homework 3, due 1/28/08

1. Exercises 1, 3, 5 on page 46-47
2. Proof writing exercise 2, 3, 4 on page 47
3. Find the span of the vectors $(1, 1), (1, 2), (1, 0)$ in \mathbb{R}^2 . Are the vectors linearly independent?
4. Find the span of the vectors $(1, 1), (1, 2)$ in \mathbb{R}^2 . Are the vectors linearly independent?
5. Find the span of the vector $(1, 1)$ in \mathbb{R}^2 . Is this vector linearly independent?