

The Dimension of a Vector Space: Part II

MATH 204: Linear Algebra

Prepare for class November 27, 2017

Name (Print): _____

After reading Section 4.5, work through the following ideas.

1. Describe what the different possibilities are for dimensions of subspaces of \mathbb{R}^3 and how to visualize them.

2. State Theorem 4.11.

3. (a) State Theorem 4.12.

(b) Why did the authors say this theorem is so important?

4. State the fact on page 230.

5. Try Exercise 13 on page 231.

6. Write down any questions you have on the reading.