



Norwegian University of Science
and Technology
Department of Mathematical
Sciences

MA1201 Linear Algebra and Geometry

Exercise set 07

Compulsory exercises

Hand in your solutions to these exercises. All answers must be justified.

Chapter 4.3 - Spanning sets

Exercise 1 Do exercise 1 in chapter 4.3 of Elementary Linear Algebra.

Exercise 2 Do exercise 7b in chapter 4.3 of Elementary Linear Algebra.

Exercise 3 Do exercise 23 in chapter 4.3 of Elementary Linear Algebra.

Chapter 4.4 - Linear independence

Exercise 4 Do exercise 2 in chapter 4.4 of Elementary Linear Algebra.

Exercise 5 Do exercise 24 *or* 25 in chapter 4.4 of Elementary Linear Algebra.

Chapter 4.5 - Basis

Exercise 6 Do exercise 1 in chapter 4.5 of Elementary Linear Algebra.

Exercise 7 Do exercise 3 in chapter 4.5 of Elementary Linear Algebra.