



Norwegian University of Science  
and Technology  
Department of Mathematical  
Sciences

# MA1201 Linear Algebra and Geometry

## Exercise set 05

### Compulsory exercises

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

#### Chapter 2.1 - determinants and cofactors

**Exercise 1** Exercise 3a in chapter 2.1 of Elementary Linear Algebra.

**Exercise 2** Exercise 16 in chapter 2.1 of Elementary Linear Algebra.

**Exercise 3** Exercise 22 in chapter 2.1 of Elementary Linear Algebra.

**Exercise 4** Exercise 29 in chapter 2.1 of Elementary Linear Algebra.

#### Chapter 2.2 - determinants and row reduction

**Exercise 5** Exercise 10 in chapter 2.2 of Elementary Linear Algebra.

**Exercise 6** Exercise 16 in chapter 2.2 of Elementary Linear Algebra.

**Exercise 7** Exercise 20 in chapter 2.2 of Elementary Linear Algebra.

#### Chapter 2.3 - Cramer's rule

**Exercise 8** Exercise 20 in chapter 2.3 of Elementary Linear Algebra.