



Norwegian University of Science  
and Technology  
Department of Mathematical  
Sciences

# MA1201 Linear Algebra and Geometry

## Exercise set 01

### Glossary

Engelsk	Norsk
matrix	matrise
augmented matrix	utvidet matrise
row echolon form	trappeform
reduced row echolon form	redusert trappeform
pivot	ledende ener (pivot)

### Compulsory exercises

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

#### Chapter 1.1 - Systems of linear equations

**Exercise 1** Exercise 1 and 2 in chapter 1.1 of Elementary Linear Algebra

**Exercise 2** Exercise 5b in chapter 1.1 of Elementary Linear Algebra

**Exercise 3** Exercise 8a in chapter 1.1 of Elementary Linear Algebra

**Exercise 4** Exercise 9d in chapter 1.1 of Elementary Linear Algebra

#### Chapter 1.2 - Gaussian elimination

**Exercise 5** Exercise 8 in chapter 1.2 of Elementary Linear Algebra