## Glossary

| Engelsk | Norsk |
| :---: | :---: |
| norm | norm / lengde / størrelse |
| unit vector | enhetsvektor |
| acute angle | spiss vinkel |
| obtuse angle | stump vinkel |

## Compulsory exercises

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

## Chapter 3.1 - Vectors in $\mathbb{R}^{n}$

Exercise 1 Exercise 12c in chapter 3.1 of Elementary Linear Algebra.
Exercise 2 Exercise 13 in chapter 3.1 of Elementary Linear Algebra.
Exercise 3 Exercise 18 in chapter 3.1 of Elementary Linear Algebra.

## Chapter 3.2 - Dot products

Exercise 4 Exercise 2a in chapter 3.2 of Elementary Linear Algebra.
Exercise 5 Exercise 3a and 3b in chapter 3.2 of Elementary Linear Algebra.
Exercise 6 Exercise 12a in chapter 3.2 of Elementary Linear Algebra.
Exercise 7 Exercise 16 in chapter 3.2 of Elementary Linear Algebra. (Note: bold font symbols are vectors, normal font symbols are scalars)

Exercise 8 Exercise 18a in chapter 3.2 of Elementary Linear Algebra.

