**COMP4421 (Fall 2018)**

Assignment #1

**Name:        Student ID:      E-mail:**

I. EXERCISES

1) **Solution:**

   a)

   b)

II. PROGRAMMING TASKS

1) **Task 1: Spatial Linear Filtering**

   a) Your result image...

   b) Your result image...

   c) Your result image...

2) **Task 2: Spatial Non-linear Filtering**

   a) Your result image...

   b) Your result image...

3) **Task 3: Discrete Fourier Transform**

   a) Your result image...

   b) Your result image...

4) **Task 4: Filtering in the Frequency Domain**

   a) Your result image...

   b) Your result image...

5) **Task 5: High Frequency Emphasis**

   a) Your result image...

   b) Your result image...