

# Essentials of Calculus

## Homework 4.2

### Inflection points

1. Find all inflection points for the following functions.

a)  $f(x) = x^3 - 6x^2 + 2x - 3$

b)  $f(x) = x^4 + 6x^3 + 12x^2 + 3x + 1$

c)  $f(x) = 3x^5 - 15x^4 + 20x^2 - 3x + 3$

d)  $f(x) = 3x^5 - 10x^3 + 15x - 20$