Essentials of Calculus Homework 4.2 Inflection points

- 1. Find all inflection points for the following functions.
 - a) $f(x) = x^3 6x^2 + 2x 3$

Numeric answer: *f* has an inflection point at x = 2

b) $f(x) = x^4 + 6x^3 + 12x^2 + 3x + 1$ **Numeric answer:** f has inflection points at x = -1and x = -2

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

Numeric answer: *f* has an inflection points at x = 3

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

Numeric answer: *f* has inflection points at x = 0, x = 1 and x = -1