**Q 1, Q 2 are of 2 marks (1 marks each), and Q 3. Is of 3 marks.**

Q 1. Identify the MATLAB statement that could be used to help determine the root of the function x3 – 1 over the interval x = 0 to x = 2.

a. fzero(x^3–1, [0, 2])

b. fzero(@(x) x^3–1, [0, 2])

c. fzero([0, 2], x^3–1)

d. fzero(x^3–1, 0, 2)

Q 2. The MATLAB function *roots* is used in the following statement:

*p = roots(x)*

a. x is a vector containing the roots of a polynomial.

b. x is a vector containing the coefficients of a polynomial.

c. p is a vector containing the roots of a polynomial.

d. p is a vector containing the coefficients of a polynomial.

Q 3.

