Name: _____ Date: _____

<u>Zeros (Roots) Of a Polynomial</u>

Q1. Verify whether the following are zeroes of the polynomial, indicated against them.

(i) $f(x) = x^2 - 4$, $x = 1, -1$ (ii) $f(x) = (x + 3)(x - 2)$, $x = -1, 2$

Q2. If x = 2 is a root of the polynomial $f(x) = 3x^2 - 18x + 8a$, find value of a.

Q3. If x = 2 and x = -3 are the roots of the polynomial $f(x) = 2x^3 + 3x^2 - ax - b$, find the value of a and b.