

Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

## Quiz 2

**Question 1.** (3 marks)

Solve the following equation:

$$\frac{3}{x^2 + 3x} - \frac{1}{x} = \frac{1}{3 + x}$$

**Question 2.** (3 marks)

Factor the following:

$$4x^2 - 12x + 9$$

**Question 3.** (4 marks) Graph the following by finding the x-intercept(s) if possible, the vertex and the y-intercept:

$$2x^2 + 8x - 10$$