

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

## Quiz 4

This quiz is graded out of 10 marks. No books, calculators, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

**Question 1.** pg.54#3t (4 marks) Solve for  $x$ :

$$(x^2 - 75)(3x^2 + 4x - 6) = 0$$

**Question 2.** pg.60#3i (4 marks) Solve for  $x$ :

$$x - \frac{6}{2-x} = \frac{3x}{x-2}$$

**Question 3.** pg.66#27 (2 marks) Find the distance between  $(a, -c)$  and  $(-a, c)$ :