

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

## Quiz 3

This quiz is graded out of 10 marks. No books, 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.698 #16 (*10 marks*) Find the solution of the given equations to at least four decimal places by using Newton's method.

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