

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

## Quiz 1

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.3#25 (5 marks) Simplify, expressing the answers with positive exponents only:

$$\frac{(2xy^{-3})^{-2}}{(3x^{-2}y^4)^{-3}}$$

**Question 2.** pg.9#7i (5 marks) Simplify:

$$(x-1)^3 - (x+1)^2 + 4(x+1)(x-1)$$