

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#28 (4 marks) Simplify the following:

$$\frac{(a^{-2}b^3)^{-4}}{(a^{-3}b^2)^{-2}(ab)^{-4}}$$

**Question 2.** pg.8#4i (2 marks) Multiply and simplify:

$$x(2x - 5)(x + 3)$$

**Question 3.** pg.8#4j (4 marks) Divide by long division:

$$(6x^3 - 5x^2 + 2x + 1) \div (-4 + x)$$