

Name: _____
Student ID: _____

Quiz 2

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.13#26 (5 marks) Divide by long division to find the quotient and remainder:

$$\frac{x^4 + 2x^3 + 2x^2 - x - 1}{x^2 + 1}$$

Question 2. pg.26#5f (5 marks) Simplify:

$$\frac{2x^2 - x}{4x^2 - 1} \times \frac{4x^2 + 4x + 1}{3x} \div \frac{4x^2 - 2x - 2}{6x^2 - 6x}$$