

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#21 (4 marks) Divide by long division:

$$(x - 4 + 3x^3) \div (4 + x)$$

Question 2. pg.19#8d (2 marks) Factor completely:

$$15x^4 - 25x^3 + 10x^2$$

Question 3. pg.27#71 (4 marks) Simplify:

$$\frac{x^2 - 11}{x^2 + 7x + 6} - \frac{x}{x + 6} + \frac{2}{x + 1}$$