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.19#8c *(2 marks)* Factor completely:

$$2x^6 + 8x^5 - 42x^4$$

Question 2. pg.27#7i *(4 marks)* add, subtract and simplify:

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

Question 3. pg.25#4l *(4 marks)* Divide and simplify:

$$\frac{x^3-x}{x^2-3x-4} \div \frac{x-x^2}{x^2-16}$$