

NAME: \_\_\_\_\_ STU. NO: \_\_\_\_\_

**Wednesday 5 PM, February 7, 2001**

**MAT 187H1S Quiz 2**

Calculus II

Duration: 30 minutes

Only aids allowed for this quiz: a non-programmable calculator.

**Instructions:** Present your solutions to the following questions on this sheet, using both sides. Make sure to fill in your name and student number at the top of this sheet.

**TOTAL MARKS: 20**

1. (5 marks) Find  $\int \sin^{-1} x dx$

2. (5 marks) Find  $\int \sin^4 x dx$

3. (10 marks) Find  $\int \frac{x^2 - 3x - 13}{x^3 + 4x^2 + 13x} dx$