

UNIVERSITY OF REGINA  
DEPARTMENT OF MATHEMATICS AND STATISTICS  
MATH 103 200710 Quiz 3  
Thursday, March 22, 2007

Time: 20 minutes

Instructor: Dr. Edward Doolittle

Name: \_\_\_\_\_

Student #: \_\_\_\_\_

Please do both of the following problems. Each problem is worth 10 marks. You have 20 minutes to finish the quiz.

1. Differentiate the function  $y = \frac{x^3}{(x^3 - 2)^4}$ .

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2. Find all stationary points on the graph of  $y = \sqrt{x^2 + 8x + 17}$ .