

MATH 6 – QUIZ 1
3 FEBRUARY 2012

Name: _____

NO CALCULATORS

- 1.** Solve the following differential equation.

$$f'(x) = 8x^3 + 5, \quad f(1) = 5$$

- 2.** Estimate $\int_1^3 \frac{1}{x} dx$ using four rectangles of equal width. You may choose left or right endpoints. Draw your rectangles on the graph below.

