



SCORE

## QUIZ I

Name \_\_\_\_\_

This quiz is worth 10 points. You must show your work. If you use a calculator program to obtain an answer show the necessary work to obtain the answer without the calculator. An answer without the work leading to it is worth 0 points.

**Problem 1** (3 points) Find an antiderivative of  $f(x) = 2\sqrt{x} + 3$ .

Answer \_\_\_\_\_

**Problem 2** (4 points) Compute  $\int x(2x^2 - 1)^5 dx$ .

Answer \_\_\_\_\_

**Problem 3** (3 points) Approximate the area under the curve  $y = x^2$ , between  $x = 0$  and  $x = 4$  breaking the interval  $[0, 4]$  into six equal parts. Show a table with the values of the function that you use in your computations.

Answer \_\_\_\_\_