FIRST NATIONS UNIVERSITY OF CANADA
DEPARTMENT OF SCIENCE
MATH110 200930 Quiz 11

Time: 20 minutes   Name: _____

Instructor: Dr. Edward Doolittle   Student #: _____

(marks)   Please do questions 1 and 2. You have 10 minutes to do each question, for a total of 20 minutes for
           the quiz. A calculator of the type mentioned in the course outline is allowed.

(10)   1. Use the Fundamental Theorem of Calculus to evaluate the derivative of

$$h(x) = \int_x^2 \tan(2\sqrt{t}) \, dt$$

(10)   2. Evaluate the definite integral

$$\int_0^1 (x+x^2)^3 \, dx$$