Quiz 1

Name: _____   Row:_____

1. Give the definition of the definite integral as a limit of Riemann sums. Briefly explain the meaning of the symbols you use.

2. Evaluate the integrals. You need not simplify your answers.

a. $\displaystyle\int_{1}^{4} (\sqrt{x} + 5x)\sqrt{x}\ dx$

b. $\displaystyle\int_{1}^{2} \frac{x+1}{x^3}\ dx$