MATH 1850 Sec 011 and 012
CALCULUS I
QUIZ 14
December 7, 2010

Name (Last, First)_____

1. Express the limit as definite integral.

$$\lim_{||P|| \to 0} \sum_{k=1}^{n} \frac{1}{1 - c_k} \Delta x_k, \text{ where } P \text{ is a partition of } [2, 3]$$

$$\int_{2}^{3} \frac{1}{1 - x} \, dx$$

2. Suppose that $\int_{1}^{2} f(x) \, dx = 5$. Find

$$\int_{2}^{1} f(x) \, dx$$

$$-5$$