

Quiz 17

MATH 139-01 and -02
Thursday, November 13, 2003

Be sure to **show your work**. Unsupported answers receive no credit.

1. Find each of the following.

(a) $\int x^9 dx$

(b) $\int \sqrt{x} dx$

(c) $\int \frac{1}{x} dx$

(d) $\int (3e^{4x} - 5x^3 + 2) dx$

2. Find the average value of x^2 on the interval $[-1, 1]$.