

Math 140, Section 5

Quiz #10

March 30, 2001

Note: Calculators are not allowed.

1. If  $f(x) = -4 \sin 3x + 7x^2 - 1$ , find the indefinite integral  $\int f(x) dx$ .

2. Solve the initial value problem  $y' = 2\sqrt{x}$ ,  $y(1) = 2$ .