

Math 140, Section 5

Quiz #12

April 12, 2001

Note: Calculators are not allowed.

1. Find the indefinite integral  $\int \frac{dx}{x^2 + 4x + 4}$ .

2. Evaluate the definite integral  $\int_{-1}^1 x + 1 \, dx$ .

3. Find the area  $A$  bounded by the curves  $y = x^2$  and  $y = 2 - x^2$ .