

MATH 152
Mrs. Bonny Tighe

QUIZ 4
25 points
8.4, 8.5

NAME _____

Section _____ Wed 3/8/06

1. Evaluate the integrals.

a)

$$\int_0^5 \frac{3x-1}{x+2} dx = \underline{\hspace{2cm}}$$

b) $\int \sqrt{5+4x-x^2} dx$

c) $\int \frac{\sqrt{16+x^2}}{x} dx$

d) $\int \frac{2x-1}{x^2(x-1)} dx$

e)

$$\int \frac{5x^2 - 6}{2x^2 - 5x - 3} dx$$

$$f) \int \frac{e^x}{e^{2x} - e^x - 6} dx$$