

MATH 152
Mrs. Bonny Tighe

QUIZ 4A
25 points
8.4, 8.5

NAME _____

SECTION _____ Wed 3/8/06

1. Evaluate the integrals. a)

$$\int \frac{dx}{\sqrt{x^2 - 6x + 10}}$$

b) $\int \frac{e^{2x}}{e^{2x} + 3e^x - 4} dx$

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

d) $\int \frac{x^3 + 2x^2 + 1}{x^3 - 3x^2} dx$

e)

$$\int \frac{1}{x^2 + x + 1} dx$$

f)

$$\int \cot x \ln(\sin x) dx = \underline{\hspace{2cm}}$$