

Name: _____

MA 182 Dr. Katiraie Quiz 2 Sections 5.5 & 5.6 Fall 2013

1) Evaluate the following indefinite integrals

(2.5 points each)

(a) $\int e^x \sqrt{1+e^x} dx$

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

(c) $\int \frac{x^2}{x^3+1} dx$

(d) $\int \sin(3\pi t) dt$

2) Evaluate each indefinite integral.

(5 points each)

a) $\int 2\ln(x)dx$

b) $\int e^x \sin(5x) dx$