Pledge:

11/9/2005 Dr. Lunsford MATH261 Calculus I Quiz 13 Name: ______(20 Points Total)

Find the indicated integrals. Neatly show all of your work, clearly indicate any substitutions you may make, and clearly indicate your answers. If you need extra space use the back of the page. (4 points each)

$$1. \quad \int_{1}^{4} \frac{e^{\sqrt{x}}}{\sqrt{x}} dx$$

(This is problem #45)*

2.
$$\int \frac{du}{5-3u}$$

(This is problem #13)

$$3. \quad \int \frac{1+x}{1+x^2} dx$$

(This is problem #33)

4. $\int \sin \pi t \, dt$

(This is problem #17)

$$5. \int_{1}^{2} x\sqrt{x-1} \, dx$$

(This is problem #47)

^{*} All of these problems are directly from your homework assignment in Section 5.5