

Math 152 Quiz #7
February 24, 2009

Name: _____

Show all work and simplify your answers as much as possible.

1. (4 pts.) $\int \frac{1}{1 + \sqrt[3]{x}} dx$

2. (4 pts.) $\int e^{2t} \cdot \sec^2(e^{2t}) dt$

3. (2 pts.) Evaluate $\int \frac{\sqrt{2y^2 - 3}}{y^2} dy$ using the following table entry:

$$\int \frac{\sqrt{u^2 - a^2}}{u^2} du = -\frac{\sqrt{u^2 - a^2}}{u} + \ln|u + \sqrt{u^2 - a^2}| + C$$