Dawson	College:	Calculus	II: 201	-NYB-05	12
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	reblumy 11, 2010		
Last Name:			
First Name:			
Student ID:			

## Quiz 3

Question 1. (10 marks) Evaluate the following integrals using the Fundamental Theorem of Calculus part 2 (Evaluation theorem). Simplify your answer as much as possible.

(a) 
$$\int_0^1 x(\sqrt[3]{x} + \sqrt[4]{x}) dx$$

**(b)** 
$$\int_{\pi/4}^{\pi/3} \sec \theta \tan \theta d\theta$$

(c) 
$$\int_{1}^{e} \frac{x^2 + x + 1}{x} dx$$