

3450:221 Calculus, Kreider

Name: _____

Quiz 20, section 5.3, Simplify your answers!

1. (2 pts) Evaluate $I = \int_{-1}^2 x^3 - x^2 dx$

2. (2 pts) Evaluate $I = \int_3^5 \frac{1}{t} - \frac{1}{2}e^t dt$

3. (2 pts) Evaluate $I = \int_1^8 \frac{1}{9}x^{1/3} - 9x^{-1/3} dx$

4. (2 pts) Evaluate $I = \int_0^{1/2} \frac{1}{1+x^2} + \frac{1}{\sqrt{1-x^2}} dx$

5. (2 pts) Evaluate $I = \int_{\pi}^{3\pi/2} 2 \sin x + 3 \cos x dx$