

MATH 220: CALCULUS I  
WORKSHEET 20  
APRIL 4, 2013

**PRACTICE** Homework in 5.5.

1. Evaluate the following integrals:

(a)  $\int_0^5 3e^{2x} dx.$

(b)  $\int \sin^3 \theta \cos \theta d\theta$

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

(d)  $\int_0^4 x^3 \sqrt{x^2+2} dx$