

MATH 112-030 RECITATION 3 (8.1,8.2)

NAME:

**Problem 1.**  $\int x^2 \ln(2x) dx$  (8.2)

**Problem 2.**  $\int 3x^2 \tan^{-1}(x) dx$  (8.2)

**Problem 3.**  $\int \frac{dx}{(x-4)\sqrt{x^2-8x+15}}$

**Problem 4.**  $\int \sin(\sqrt{x}) dx$

**Problem 5.**  $\int \frac{x^2+4}{3x^2+4} dx$