

MA 112 - Calculus II  
Worksheet # 5  
Professor Broughton

Name: \_\_\_\_\_

Box #: \_\_\_\_\_

Due: Wednesday Jan 15.

1. Compute the following integrals:

$$\bullet \int \frac{3x+2}{x^2-5x+6} dx$$

$$\bullet \int_4^5 \frac{3x^4+2}{x^2-5x+6} dx$$

$$\bullet \int \frac{3x^2+2}{x^3-7x+6} dx$$

- $\int \frac{x^2+1}{x^3+7x^2+16x+12} dx$

- $\int \frac{x+2}{x^4-1} dx$

- $\int_1^2 \frac{(x^2+1)dx}{(x+1)(x^2+4x+13)}$