

Math 2

Homework 7

Due: March 5 , 2010

Please show all work.

1. Find $\int \frac{3}{x^2 - 5x + 6} dx$.

2. Find $\int \frac{2x + 3}{x^3 - 2x^2} dx$.

3. Find $\int \cos(x)(1 + \sin^2(x)) dx$.

4. Find $\int \frac{e^{2x}}{1 + e^{4x}} dx$.

5. Find $\int x \ln(x) dx$.