

Math 231 Section A1
Quiz 3
June 21, 2007

Name: _____

1) Compute the following integral:

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

2) Determine if the following integrals converge or diverge:

a)

$$\int_3^{\infty} \frac{1}{(x+1)^5} dx$$

b)

$$\int_{-1}^3 \frac{1}{(x+1)^5} dx$$

Extra Credit: Determine all values of p for which $\int \frac{1}{x(\ln(x))^p} dx$ converges.