

# Homework 6

Math 232 section 006

Due: Tuesday, October 30th

These two questions were dropped from the test because I thought it would be too long and too difficult. But, they are great homework questions.

1. Evaluate the integral  $\int \frac{\sqrt{x^2 - 3}}{x^4} dx$

2. Use the integral comparison test to decide if the following series converges or diverges:

$$\sum_{n=2}^{\infty} \frac{1}{n^2 - 1}$$