

Reading Quiz 10 for Calculus A

Name : _____ Student ID # : _____ Score : _____

Read section 8.7

1. Write down the definitions of improper integrals of Type I in page 478.

2. Write down the definitions of improper integrals of Type II in page 481.

3. For what values of p does the integral $\int_1^{\infty} \frac{1}{x^p} dx$ converge?

4. For what values of p does the integral $\int_0^1 \frac{1}{x^p} dx$ converge?