## 微積分A預習測驗 #13

兩種類型的瑕積分 12/02/2013(一)

姓名: 系級: 學號:	分數:	
Read Section 8.8 (pp. 566-573) and answer the following question	S.	

1. Write down the definition of an improper integral of type 1 introduced in page 567.

2. Write down the definition of an improper integral of type 2 introduced in page 570.

3. State Comparison Test for improper integrals appeared in page 572 and use it to show that  $\int_0^\infty e^{-x^2} dx$  is convergent.