微積分A預習測驗 #15

姓名：＿＿＿＿＿＿＿ 系級：＿＿＿＿ 學號：＿＿＿＿＿＿＿＿ 分數：

Read Section 12.1 (pp. 737-746) and answer the following questions.

1. Write down definition 1 introduced in the red box on page 739.

2. State Theorem 3 in the red box on page 740.

3. Write down all limit laws stated in the red box on page 741.

4. True or false: If $\lim_{n\to\infty} |a_n| = 0$, then $\lim_{n\to\infty} a_n = 0$

5. What is the limit $\lim_{n\to\infty} r^n$, for a given real constant r?

6. State Monotonic Sequence Theorem.