

## **REVIEW 1. for MATH1690, November 6, 2007**

### **DEFINITIONS and FORMULAS:**

1. General limit, one-sided limits, limits at infinity and infinite limits, continuity, removable discontinuity.
2. Derivative, tangent line, normal line, horizontal and vertical asymptotes, derivative of the inverse function.
3. List of basic derivatives.

### **THEOREMS:**

1. Theorem on operations on limits, Squeeze theorem,.
2. Max.– Min. theorem, Intermediate value theorem.
3. Theorem on differentiability and continuity, theorem on operations and derivatives.