

# Reading Quiz 01 for Calculus A

Name : \_\_\_\_\_ Student ID # : \_\_\_\_\_ Grade : \_\_\_\_\_

Read the first 4 sections of chapter 2 and do the following problems:

1. Write down those seven Limit Laws stated in page 49.

2. If  $\lim_{x \rightarrow 2} \frac{f(x) - 5}{x - 2} = 7$ , find  $\lim_{x \rightarrow 2} f(x)$  .

3. If  $\lim_{x \rightarrow 2} \frac{f(x) - 5}{x - 2} = 11$ , find  $\lim_{x \rightarrow 2} f(x)$  .

4. State the Sandwich Theorem and use it to compute  $\lim_{x \rightarrow 0} x \sin \frac{1}{x}$  .