MAT 3749 0.0 Team Homework Group Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| The purpose of the first HW is for you to be familiar with typesetting math. This is a very practical and essential skill. I also provided some calculus-based problems for you to practice discussions among your group.  For this time only, you may use your calculus textbook as a reference for # 2 and 3. |

1.(10 points) **Instructions**

* You are going to use MS WORD to type the following section of boxed paragraphs on the second page of this document.
* Pay attention to the exact formatting. For example:
  + The equal signs are all aligned – Highlight the equations and right click; choose Align at =.
  + There are spacing between two consecutive equations – Highlight the equations and right click; choose Paragraph 🡪 Line spacing 🡪 1.5 lines.
  + The equation number is boxed in color.
  + Function names are not *italic*. is correct. ,,and are not correct.

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Type in the box below.

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2. (5 points) Use the definition of Definite Integrals to evaluate the limit

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3. (5 points) Evaluate the limit

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