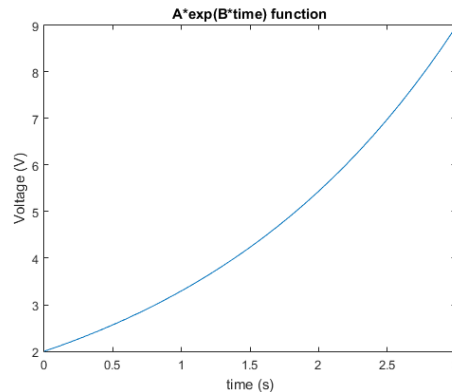# ECE 101: Homework assignment # 3

Additional topics covered since previous HW: technical communication, teamwork, time-varying signals, sinusoids, problem solving, and simple trigonometry.

Practice problem(s)

1. Example 6-3 from R&K (we may do this during help session)

Turn in solutions to the following problems:

1. Given the plot below, determine the constants A and B in function $V = Ae^{Bx}$ (hint: determine A first; use the first and last points on the plot)

2. Problems 6-1 and 6-18 from R&K
3. Discuss this assignment with team members and submit your consensus answer (everyone has to report this in their homework):
   a. Consider the team and team member attributes described in the notes (also in O&L textbook). What do you think is the single most important thing an individual can do to make the group project a success?
   b. What kind of leadership structure will your team have? A) an overall leader to organize the team, B) some kind of shared or rotating leadership, C) no leader with everyone being equally responsible, or D) something else? Explain why.
4. Fix the following writing examples and submit the new text:
   a. A posted sign reads: "We highly recommend that person or persons walking on or near the area adjacent to the cliff edge supervise children pets and it is considered ill-advised to venture past the red flags. Due to erosion and high winds there may be a heightened risk of injury/fatality due to falling. Actions such as these may result in a dangerous fall necessitating emergency service assistance which may include the Air Force (AF) or Coast Guard Helicopter Search and Rescue Service. These services will be chargeable to the incumbent and therefore it is recommended that visitors to this area remain at a safe distance to maintain the personal safety."
   b. An actual email from a student: "I don't know whats wrong with the computer but i've been trying to upload the assignement for an hour and it will not work. I have to drive to California tonite so i wont be able to fix it later. I can not files on Monday so you can see when they were saved last and show you them then."