


Here is a checklist of what is assigned for Week 2 to do by 11:59 PM **Sunday, September 7.**

		Tasks for Week 2 Slope, Linear Functions and Modeling using Graphs, Tables, and Formulas	✓ when done
1.		As you work through the material in Chapter 1 this week, please use the Student Discussion Forum in Blackboard. If you post a question specific to the content in Chapter 1 this week (before 11:59 PM Sunday, Sept. 7) in the forum called <i>Chapter 1: Linear Functions and Change</i> or reply with an answer to their question, you will receive a maximum of 5 bonus points. These will be added to the score for the video V07: <i>Buzz Light Year to the Rescue!</i>	
2.		<p>After reading Sections 1.3 and 1.4 of the text, watch the Video of Class Lecture 4 on Section 1.3 Linear Functions and Section 1.4 Formulas for Linear Functions.</p> <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Identify intervals on which a function is increasing and decreasing. 2. Interpret the average rate of change and use the function notation for the average rate of change. 3. Use the average rate of change to determine if a function is linear. 4. Find a linear model. <p>After watching the video: <u>For additional practice, work these problems out of the text (no need to submit them to me)</u> Section 1.3 – 7-11, 15, 18, 20, 24 and Section 1.4 – 19-31, 38, 40, 42, 46 (not for hand-in)</p> <p>The worked out solutions are on reserve at the Information Desk at the Helmke Library. You can get electronic versions of many of these on eHW in the Practice Questions area.</p>	
3.	a.	Complete Interactive Video V05: <i>Slopes and Equations of Lines</i> This 4 min video covers material in Section 1.3 and 1.4 of the text. (You have unlimited attempts to earn 100%.)	
		<p>BONUS (+10) : E-mail me at lamaster@ipfw.edu a unique photo that you have taken where you see lines which are of opposite slope but which are not perpendicular. An example is the slanted roofs of the chapel shown in Interactive Video V05. Indicate what is in the photo and its location. Many examples exist, but no two students can use the same example.</p>	
	b.	Complete Interactive Video V06: <i>Modeling with Linear Functions</i> This 5 min video covers material in Section 1.3 and 1.4 of the text. (You have unlimited attempts to earn 100%.)	
	c.	Complete Interactive Video V07: <i>Buzz Lightyear to the Rescue!</i> This 3 min video covers material in Section 1.3 and 1.4 of the text. (You have unlimited attempts to earn 100%.)	
		Optional: A similar activity with ropes is done in Class Lecture 5 on Section 1.4 if you would like to see another example. A link to this video is posted in the Week 2 Folder. Some students find it helpful to see other peers working on the same problem, as well as get suggestions (“Table Walking”) and tips to avoid common (fishy!) mistakes. Some fish appear on this video! Also at the beginning of this video we discuss Section 1.4 # 24 and then Section 1.4 # 20.	
		Reminder: Use the forum called <i>Chapter 1: Linear Functions and Change</i> to ask/answer each other’s questions to receive a maximum of 5 bonus points for this week. These will be added to the score for the video V07: <i>Buzz Light Year to the Rescue!</i>	