**Foundations of Math & Pre-Calculus 10**

**Chapter 6 ~ Linear Functions**

|  |
| --- |
| **Learning Outcomes ~ Student can:** |
| L1 | calculate the slope of positive, negative, vertical, and horizontal lines. |
| L3 | use and transform the different forms of linear equations: slope-intercept form and general form. |

|  |  |
| --- | --- |
| **Date** | **Topic** |
| Wednesday,May 6 | Lesson 6.1 ~ Slope of a Line ("Duck" worksheet & pg 339 #5, 7, 8, 9, 15, 19, 24, 27) |
| Tuesday,May 12 | **Quiz 6.1**Lesson 6.4 ~ Slope-Intercept Form of the Equation for a Linear  Function ("Bank" worksheet & pg 362 #7ef, 8, 12, 13, 15, 16) |
| Thursday,May 14 | **Quiz 6.4**Lesson 6.6 ~ General Form of the Equation for a Linear  Function (pg 384 #5, 6, 8, 12, 16, 18, 24) |
| Tuesday,May 19 | **Quiz 6.6**Review (pg 388 #1 – 5, 11 – 15, 21, 25 – 27) |
| Thursday,May 21 | **Chapter 6 Test** |



**Foundations of Math & Pre-Calculus 10**

**Chapter 6 ~ Linear Functions**

*\*The work in the following sections is completely optional and will not be tested. Due to our shortened time together, I have selected Lessons 6.1, 6.4, & 6.6 as the most crucial for success in Math 11; those sections will be tested.*

*The following recommended practice for Lessons 5.6, 5.7, 6.2, & 6.5 is only for those who are looking to deepen their understanding of Linear Functions. You may choose to do all of it, some of it, or none of it, and neither your overall grade nor your work ethic will be negatively affected by it. I am simply providing this information for those who enjoy Math and/or want the extra challenge.*

|  |
| --- |
| **Learning Outcomes ~ Student can:** |
| L1 | calculate the slope (rate of change) of positive, negative, vertical, and horizontal lines. |
| L2 | create parallel and perpendicular lines from existing lines or through existing points. |
| L3 | use and transform the different forms of linear equations: slope-intercept form, slope-point form, and general form. |

|  |  |
| --- | --- |
| **Date** | **Topic** |
| Monday,May 4 | Lesson 5.6 ~ Properties of Linear Relations (pg 308 #3 – 5, 7, 10, 12, 14, 16)Lesson 5.7 ~ Interpreting Graphs of Linear Functions (pg 319 #4, 7, 8, 10, 11, 14, 17) |
| Wednesday,May 6 | Lesson 6.2 ~ Slopes of Parallel & Perpendicular Lines (pg 349 #3 – 6, 8, 9, 13, 17, 20) |
| Tuesday,May 12 | Lesson 6.5 ~ Slope-Point Form of the Equation for a Linear  Function (pg 372 #4, 5, 7, 9, 10, 11, 19, 21, 23) |
| Thursday,May 14 |  |
| Tuesday,May 19 | Review (pg 327 #13, 15, 16, 17, 18) (pg 388 #6 – 9, 16 – 20) |
| Thursday, May 21 | **Chapter 6 Test** |

**New Vocabulary**

|  |  |  |
| --- | --- | --- |
| **Term** | **Definition** | **Example** |
| Slope |  |  |
| Rise |  |  |
| Run |  |  |
| Slope-Intercept Form |  |  |
| GeneralForm |  |  |
| ***\*Term*** | ***Definition*** | ***Example*** |
| *\*Rate of Change* |  |  |
| *\*Negative**Reciprocal* |  |  |
| *\*Slope-Point**Form* |  |  |
| *\*Standard**Form* |  |  |

*\* indicates terms from optional Lesson 5.6, 5.7, 6.2, & 6.5*