Teacher: Chappell, Hernandez, Hernandez, Dorr, Ting, Wasson **Subject: Algebra I**		**Grade: 9** **Unit: 1**		**Campus: West** **Week of: 9-9-13 thru 9-13-13**	
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
TEKS: A.2A, A.2B, A4.C, A.1D, A.4A, A.11B, A.9D CCRS: A1, D1, D2 ELPS: C.1, C.1c, C.3, C.3d					
We will:	Use a scenario to create an equation and represent the situation in multiple ways.	Demonstrate our knowledge of multiple representations of functions.	Demonstrate our knowledge of multiple representations of functions.	Analyze situations involving direct variation and inverse variation	Analyze situations involving direct variation and inverse variation
Materials:	Functions Day 1 and Day 2 Tile Problem	PI Quiz	Unit 1 Lesson 1 Assessment	Blue bonnet bakery	Blue bonnet bakery
Academic Vocabulary/ Review	Reviewing all vocabulary words Linear Non-Linear			Inverse variation Direct variation	Inverse variation Direct variation
5 E Model	☐Engage ☐Explore ☐Explain ☐Elaborate ☐Evaluate	☐Engage ☐Explore ☐Explain ☐Elaborate ☐Evaluate	☐Engage ☐Explore ☐Explain ☐Elaborate ☐Evaluate	☐Engage ☐Explore ☐Explain ☐Elaborate ☐Evaluate	☐Engage ☐Explore ☐Explain ☐Elaborate ☐Evaluate
Warm-Up	Warm-Up #3 Vocabulary Log – Add Domain, Range, Function, Relation	Compare the characteristics of a linear function to a quadratic function using a Venn diagram	Review Unit 1 Notes	Write down everything you know about proportional relationships.	Identify the independent and dependent variables and the domain and range for Situation 2 of Blue Bonnet Bakery.
Detailed Activities	→Complete Functions Day 1 and Day 2 →Practice PI – Tile Problem →Vocabulary Log →Homework: Situation 3 and complete Vocabulary log	→PI quiz	→Unit 1 lesson 1 test	→blue bonnet bakery situation 1 →hmwk: engaging math pg. 281 custom made (right side)	→blue bonnet bakery situation 2 →compare part 1 of blue bonnet bakery to part 2 →hmwk: complete custom made
Essential Questions with Bloom's Taxonomy/Costa's Inquiry Level	→How do the graphs from the tile problem compare to the graphs from function Day 1 and 2? →From which representation can you determine that the situation is a negative correlation?	From looking at the representations, how can you determine if the situation is discrete or continuous? Explain the difference between an increasing and decreasing function.	From looking at the representations, how can you determine if the situation is discrete or continuous? Explain the difference between an increasing and decreasing function.	→Explain if the situation is discrete or continuous. →What does the function rule or equation tell you about the situation? → What does it mean when y varies directly with x?	→How does sitution1 compare to situation 2? →Why would situation 2 be considered inverse?

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I will	Explain the difference between a positive and negative linear correlation.	Successfully complete my quiz.	Successfully complete my assessment.	I will create another situation that would be a direct variation.	I will describe the differences between a direct and inverse variation.
Technology Tools	☐Teacher: ☐Student:	☐Teacher: ☐Student:	☐Teacher: ☐Student:	☐Teacher: ☐Student:	☐Teacher: ☐Student: