

Sample High School Lesson Plan
MATHEMATICS DEPARTMENT

Teacher: Pamela Sola

Periods: 1, 2, 3, 4, 8, 9

Week 3: Aug. 24th – Aug. 28th, 2009

Course: Integrated Advanced Algebra

Developed in Collaboration With: Crystal Hilton

Monday	Tuesday	Wednesday	Thursday	Friday														
Standard: MA1.A1. Students will explore and interpret the characteristics of functions, using graphs, tables, and simple algebraic techniques. b. Graph the basic function $f(x) = x^2$. Graph vertical shifts, stretches, and shrinks, as well as reflections.	Standard: MA1.A1. Students will explore and interpret the characteristics of functions, using graphs, tables, and simple algebraic techniques. b. Graph the basic function $f(x) = x^2$. Graph vertical shifts, stretches, and shrinks, as well as reflections.	Standard: MA1.A1. Students will explore and interpret the characteristics of functions, using graphs, tables, and simple algebraic techniques. b. Graph the basic function $f(x) = x $. Graph vertical shifts, stretches, and shrinks, as well as reflections.	Standard: MA1.A1. Students will explore and interpret the characteristics of functions, using graphs, tables, and simple algebraic techniques. b. Graph the basic function $f(x) = x $. Graph vertical shifts, stretches, and shrinks, as well as reflections.	Standard: MA1.A1. Students will explore and interpret the characteristics of functions, using graphs, tables, and simple algebraic techniques. b. Graph the basic function $f(x) = x$; $f(x) = x^2$; $f(x) = x^3$; $f(x) = x ^2$. Graph vertical shifts, stretches, and shrinks, as well as reflections.														
Essential Question: How do I analyze and graph cubic functions and how will it be affected by various transformations?	Essential Question: How do I analyze and graph cubic functions and how will it be affected by various transformations?	Essential Question: How will I analyze and graph an absolute value function and how will it be affected by various transformations?	Essential Question: How will I analyze and graph an absolute value function and how will it be affected by various transformations?	Essential Question: How will I analyze and graph a linear, quadratic, cubic & absolute value function and how will it be affected by various transformations?														
Vocabulary: Cubic function, vertical shift, reflection, stretch, shrink.	Vocabulary: Cubic function, even function, odd function, symmetry, and behavior.	Vocabulary: Absolute value, symmetry.	Vocabulary: Absolute value.	Vocabulary: Linear, quadratic, cubic, absolute value.														
Spurge (5 min.): Complete the following table: <table><tr><td>x</td><td>-2</td><td>-1</td><td>0</td><td>1</td><td>2</td><td>3</td></tr><tr><td>x³</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	x	-2	-1	0	1	2	3	x ³							Spurge (5 min.): Make an Anticipation Guide with 5 true/false statements using the words cubic function, odd function, even function, symmetry, and end behavior.	Spurge (5 min.): Complete Absolute Value Graphic Organizer #1.	Spurge (10 min.): Complete a Frayer model for an absolute value function.	Spurge (5 min.): Journal Prompt: How are linear, quadratic, cubic, and absolute value functions similar and different?
x	-2	-1	0	1	2	3												
x ³																		
Opening (15min): Graph parent function $f(x) = x^2$. Use graphing utility to compare parent graphs to $y = x^2 + 2$; $y = x^2 - 2$; $y = -2x^2 + 2$; $y = -2x^2 - 3$. Have students make conjectures first and then test them on graphing calculator.	Work Period (10 min.): Divide class into 3 groups and have them create a Frayer model for one of the vocabulary words. Content Presentation (15min): Have each group share their Frayer model with the class. Work p. 127 Ex. 3 and Guided practice #2 and EOCT study guide p. 17 as a class.	Opening (15min): Give a visual picture of graphs and have students discuss the change from the parent graph for the following $y= x +2$; $y= x -2$; $y=2 x $; $y = - x $; $y = \frac{1}{2} x $. Discuss vocabulary from Absolute Value Graphic Organizer #1 as a class.	Opening (10min): Translation of Absolute Value Graphs Video	Opening: None														
Work Period (20 min.): Have students create a foldable that illustrates the parent graph in block 1, and blocks 2 - 5 with the following transformations: vertical shift up, vertical shift down, stretch/wrapward shift, stretch with downward shift, reflection with a stretch. Equations must be included.	Work Period (10 min.): Student work: textbook p. 128 (1, 2, 10 - 13) using Boss/Secretary .	Work Period (20 min.): Students complete From Wonderland to Functionland Task #9-11 using Data Check .	Work Period (20 min.): Students complete Absolute Value Graphic Organizer #4 in pairs using Kelly Coach .	Work Period (40 min.): Administer Math 1 Quiz #2 (1.1-1.3, 1.7, 1.8, 2.10, 3.1)														

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Lao is full of the strangest creatures you'll ever meet, some (many) ... 7 Faces of Dr. Lao (1964) A mysterious circus comes to a western town bearing wonders and characters that entertain the inhabitants and teach valuable lessons. The Circus of Dr. Lao The circus unfolds, spinning magical, dark strands that ensnare the town's populace: the sea serpent's tale shatters love's illusions; the fortune-teller's ... The circus of Dr. Lao "Planned by Claire Van Vliet at the Janus Press"--Colophon. Limited ed. of 2000 copies, signed by the designer/illustrator. Newman & Wiche. the circus of doctor lao V617 Circus of Dr. Lao by Finney, Charles G. and a great selection of related books, art and collectibles available now at AbeBooks.com. The Circus of Dr. Lao and Other Improbable Stories The Circus of Dr. Lao and Other Improbable Stories was an anthology of fantasy stories edited by Ray Bradbury and published in 1956. Many of the stories had ... Literature / The Circus of Doctor Lao Circus of Magic: A circus owned by a Chinese man named Dr. Lao pulls into town one day, carrying legendary creatures from all areas of mythology and legend, ... 6.2 Classifying the elements Flashcards Study with Quizlet and memorize flashcards containing terms like The periodic table ... 6.2 Classifying the elements. 4.8 (19 reviews). Flashcards · Learn · Test ... 6.2 Classifying the Elements Flashcards Into what four classes can elements be sorted based on their electron configurations? representative elements, noble gases, transition metals, and inner ... 6.2 Classifying the Elements In this section, you will learn what types of information are usually listed in a periodic table. Guide for Reading. Key Concepts. • What type of information. Section 6.2 Review.doc - Name Date Class CLASSIFYING ... Name Date Class CLASSIFYING THE ELEMENTS Section Review Objectives Describe the information in a periodic table Classify elements. Section 6.2 Review.doc - Name Date Class CLASSIFYING ... NameDateClass CLASSIFYING THE ELEMENTS Section Review Objectives Describe the information in a periodic table Classify elements based on electron ... Classifying the Elements 6.2 Jan 11, 2015 — Study Guide with answers Chapter 16. Global Winds.pdf. yklineGTTsyllabus8th - Greenville County School District. English IV Research Paper. Review-14.2-Answers.pdf CLASSIFICATION OF THE ELEMENTS. SECTION REVIEW. Explain why you can infer the properties of an element based on those of other elements in the periodic table. CHAPTER 5 REVIEW Identify the element just below samarium in the periodic table. b. By how many units do the atomic numbers of these two elements differ? 9. Answer Key A chart that shows the classification of elements is called the. Properties of Atoms and the Periodic Table 37. Assessment. Page 6. Assessment. Name. Chapter ... angular speed control Sep 1, 2022 — Universiti Teknologi Malaysia. 81310 Johor Bahru, Johor. Date. : 1 September ... Figure C.1: Open loop DC motor Speed control with square wave ... SENSORLESS POSITION CONTROL OF DC MOTOR ... Nov 17, 2015 — ... Universiti Teknologi Malaysia, 81310, UTM Johor Bahru, Johor Malaysia ... Speed Control of D.C. Motor Using PI, IP, and Fuzzy Controller. Speed control of dc motor using pid controller - Universiti ... Nov 28, 2012 — Speed control of dc motor using pid controller - Universiti Malaysia UNIVERSITI TEKNOLOGI MALAYSIA - Universiti Malaysia Pahang. CHAPTER 1 ... Brushless DC Motor Speed Control Using Single Input ... Abstract: Many Industries are using Brushless Direct Current (BLDC) Motor in various applications for

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