11/26

Objective: Students will graph quadratic equations without making tables.  Students will rewrite quadratic equations from standard form into graphing form.

Classwork Problems: 2-30 through 2-33

Materials: One chrome book per 2 people.

Quick parabola review sheet.

1. SLOT (You will have a slot quiz on Friday ☺)
2. Quick Parabola Review. Log on to your textbook, and go to 2.1.3 and click on the Transforming Parabolas tool. Answer the following questions with your elbow partner. Be prepared to share out.
3. Review your roles and responsibilities.
4. Begin working. Read the problem and summarize what you need to do in your notebook. Please have me check your summary.

11/26/18 Pre-Calc

1. SLOT (You will have a slot quiz on Friday ☺)
2. Unit Circle Notes and chatty-chat
3. Lets Practice
4. Unit Circle 5-minute Quizzy-quiz

11/27

Objective: Students will graph quadratic equations without making tables.  Students will rewrite quadratic equations from standard form into graphing form.

Classwork Problems: 2-30 through 2-33

Materials: One chrome book per 2 people.

1. SLOT (You will have a slot quiz on Friday ☺)
2. Review your roles and responsibilities.
3. Begin working. Read the problem and summarize what you need to do in your notebook.
4. Homework 2-35 through 2-39.

11/27/18 Pre-Calc

Objective: Students will generate the graphs of sine and cosine using the unit circle.

Materials: scissors, a can, flat pasta, glue, string, two handouts.

Classwork Problems: Problems 2-72 through 2-76

Homework Problems: Problems 2-77 through 2-84

1. Slot (you should be prepared for a slot quiz on Friday)
2. Review your team roles and responsibilities.
3. Begin working on 2-72. Please read the entire problem at least once before you begin. You should continue working until clean-up clean up time.
4. Exit Ticket

11/28

Objective: Students will graph quadratic equations without making tables.  Students will rewrite quadratic equations from standard form into graphing form.

Classwork Problems: 2-30 through 2-33

1. SLOT (You will have a slot quiz on Friday ☺)
2. Discuss with your table how you can quickly sketch the graph of a parabola. Summarize your discussion on a half sheet pf paper. Be prepared to share your summary.
3. Notes, classwork, practice
4. Homework 2-35 through 2-39.

11/28/18 Pre-Calc

Objective: Students will generate the graphs of sine and cosine using the unit circle.

Materials: scissors, a can, flat pasta, glue, string, two handouts.

Classwork Problems: Problems 2-72 through 2-76

Homework Problems: Problems 2-77 through 2-84

1. Slot (you should be prepared for a slot quiz on Friday)
2. Continue working on 2-72 through 2-76. Please read the entire problem at least once before you begin. If you finish before class is over, please work on your homework.
3. Let’s talk about domain and range ( Last 10 minutes of class)
4. Day 1: Problems [2-77 through 2-84](https://ebooks.cpm.org/bookdb.php?title=pc3&name=2.2.3&type=lesson&#2-77)
5. Day 2: Problems [2-85 through 2-92](https://ebooks.cpm.org/bookdb.php?title=pc3&name=2.2.3&type=lesson&#2-85)
6. How do you stop a baby astronaut from crying?
7. Thinking about the unit circle in relation to your graph of y = sin Θ. Explain why the domain is all real numbers and the range is -1 to 1.
8. Thinking about the unit circle in relation to your graph of y = cos Θ. Explain why the domain is all real numbers and the range is -1 to 1.

11/29/18 Algebra 2.

Objective: Student will recognize different forms of quadratic equations use the information from each form to graph.

Students will graph quadratic equations without making tables.  Students will rewrite quadratic equations from standard form into graphing form.

1. SLOT
2. Hand in Homework ☺ (Just your summaries)
3. Notes and practice!
4. Exit Ticket
5. Math is amazing and so are you!

11/29/18 Pre-Calc

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| --- | --- |
| **Lesson Objective:** Students will translate and vertically stretch sinusoidal functions. |  |
| **Classwork Problems:**  [2-93 through 2-98](https://ebooks.cpm.org/bookdb.php?title=pc3&name=2.2.4&type=lesson&#2-93) |  |
| 1. SLOT
2. SIN and COS Review
3. 2-93, let’s math together!
4. Now, math with your team for problems 2-94 through 2-98!
5. Did you hear about the mathematician who is afraid of negative numbers?
 |  |

Answer these questions for homework! Please and thank you!

1. Thinking about the unit circle in relation to your graph of y = sin Θ. Explain why the domain is all real numbers and the range is -1 to 1.
2. Thinking about the unit circle in relation to your graph of y = cos Θ. Explain why the domain is all real numbers and the range is -1 to 1.