**ALGEBRA II – 2022-23 October 17, 2022**

**Today’s Agenda (Day 37)**

1. Homework Check:

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1. Class Activity

🡪CONT’D: DAY 2: Chapter 3 Review

1. **Section 3.2 – Solving Systems of Inequalities by Graphing**
2. Section 3.3 – Optimization with Linear Programming
3. Section 3.4 – Systems of Equations in 3 Variables

MID – CHAPTER QUIZ 🡪 **!Wednesday!**

1. Section 3.5 – Operations with Matrices
2. Section 3.6 – Multiplying Matrices
3. Section 3.7 – Solving Systems of Equations Using Cramer’s Rule
4. Section 3.8 - Solving Systems of Equations Using Inverse Matrices

🡪MONDAY: Mock SLC presentation

HOMEWORK:

* **READ:** Chapter 3 – Systems of Equations and Inequalities
* **COMPLETE: Section 3.2, p. 149 [#8, 12, 14, 16, 18, 20, 24, 38, 40]**
* **STUDY:** Chapter 3 Mid-Chapter Quiz and Test, Ch 3 Vocabulary

CH 3 VOCABULARY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Break-even point | Consistent | Inconsistent | Independent | Dependent |
| Substitution method | Elimination method | Feasible region | Bounded | Unbounded |
| Optimize | Dimensions | Scalar | Determinant | Cramer’s Rule |
| Coefficient matrix | Identity matrix | Square matrix | Inverse matrix | Variable matrix |
| Constant matrix |  |  |  |  |

**ABRIDGED VOCABULARY TEMPLATE**

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| **Term**:  |
| **TEXTBOOK DEFINITION** |
| **SENTENCE/PICTURE/EXAMPLE/FORMULA** |

REMINDERS:

* QUIZ: **Mid - Chapter 3 🡪 October 21**
* QUIZ: **Chapter 3 Vocabulary 🡪 October 26**
* TEST: **Chapter 3 🡪October 31**