**ALGEBRA II – 2022-23 October 11, 2022**

**Today’s Agenda (Day 33)**

1. Homework Check:

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1. Class Activity

🡪 BEGIN: Chapter 3 Review

1. **Section 3.1 – Solving System of Equations**
2. Section 3.2 – Solving Systems of Inequalities by Graphing
3. Section 3.3 – Optimization with Linear Programming
4. Section 3.4 – Systems of Equations in 3 Variables
5. Section 3.5 – Operations with Matrices
6. Section 3.6 – Multiplying Matrices
7. Section 3.7 – Solving Systems of Equations Using Cramer’s Rule
8. Section 3.8 - Solving Systems of Equations Using Inverse Matrices

HOMEWORK:

* **READ:** Chapter 3 – Systems of Equations and Inequalities
* **COMPLETE:** Chapter 3 vocabulary
* **COMPLETE: Section 3.1, p. 141 [#28, 30, 36, 40, 42, 44, 46, 50, 56, 70]**
* **STUDY:** Chapter 3 Mid-Chapter Quiz and Test

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:

* Chapter 3 Vocabulary – Oct. 12
* QUIZ: **Mid - Chapter 3 🡪 October 19**
* TEST: **Chapter 3 🡪October 26**