**ALGEBRA II – 2022-23 November 10, 2022**

**Today’s Agenda (Day 52)**

1. Homework Check:

🡪 Getting Ready for Chapter 4

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1. Class Activity

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🡪 DAY 1: Chapter 4 Review

1. **Section 4.1 – Graphing quadratic functions**
2. Section 4.2 – Solving quadratic equations by graphing
3. Section 4.3 – Solving quadratic equations by factoring
4. Section 4.4 – Complex numbers

MID – CHAPTER QUIZ

1. Section 4.5 – Completing the square
2. Section 4.6 – The quadratic formula and the discriminant
3. Section 4.7 – Transformations of quadratic graphs
4. Section 4.8 – Quadratic inequalities

HOMEWORK:

* **READ:** Chapter 4 – Quadratic Function and Relations
* **COMPLETE:** Section 4.1, p. 224 [# 12, 14, 16, 18, 22, 24, 26, 30, 32, 42, 56]
* **STUDY:** Chapter 4 Vocabulary Quiz & Chapter Test

CH 4 VOCABULARY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Quadratic term | Linear term | Constant term | Vertex | Maximum value |
| Minimum value | Quadratic equation | Standard form | Root | Zero |
| Imaginary unit | Pure imaginary number | Complex number | Complex conjugates | Completing the square |
| Quadratic formula | Discriminant | Vertex form | Quadratic inequality |  |

**ABRIDGED VOCABULARY TEMPLATE**

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

REMINDERS:

* QUIZ: Chapter 4 Vocabulary – Nov. 16
* QUIZ: Mid-Chapter 4 – Nov. 23
* **TEST:** **Chapter 4 🡪 Nov. 30**