**ALGEBRA II – 2022-23 November 21, 2022**

**Today’s Agenda (Day 57)**

1. Homework Check:

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1. Class Activity

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🡪 DAY 4: Chapter 4 Review

1. **Section 4.3 – Solving quadratic equations by factoring**
2. **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 4.3, p. 242 [#18, 20, 22, 24, 26, 28, 30, 34, 36, 40, 42, 44, 46, 48]
* **STUDY:** Chapter 4 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: Mid-Chapter 4 – Nov. 23
* **TEST:** **Chapter 4 🡪 Nov. 30**
* QUIZ: Mid-Chapter 5 – Dec. 7
* **MIDTERM EXAM: Ch 1 - 5**