**ALGEBRA II – 2022-23 December 7, 2022**

**Today’s Agenda (Day 67)**

1. Homework Check:

🡪 Section 4.8, p. 286 [#14, 20, 24, 28, 30, 32, 36, 40, 44, 46, 48, 56]

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1. Class Activity

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🡪Chapter 5 Review

1. **Section 5.1 – Operations with Polynomials**
2. **Section 5.2 – Dividing Polynomials**
3. Section 5.3 – Polynomial Functions
4. Section 5.4 – Analyzing Graphs of Polynomial Functions

MID-CHAPTER 5 QUIZ

1. Section 5.5 – Solving Polynomial Equations
2. Section 5.6 – The Remainder and Factor Theorems
3. Section 5.7 – Roots and Zeros
4. Section 5.8 – Rational Zero Theorem

HOMEWORK:

* **READ:** Chapter 4 – Quadratic Function and Relations
* **COMPLETE:** Section 5.1, p. 307 [#16, 20, 24, 26, 32, 34, 36, 38, 40, 44, 48, 52, 54]
* **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 5 – Dec. 9
* **MIDTERM EXAM: Ch 1 - 5 🡪 December 14, 10:45 am**