**ALGEBRA II – 2022-23 February 6, 2023**

**Today’s Agenda (Day 103)**

1. Homework Check:

🡪 Section 6.1, p. 389 [#8, 12, 14, 16, 18, 20, 22, 26, 28, 32, 34, 36, 46, 48, 52, 54, 56]

🡪 Section 6.2, p. 396 [#10, 14, 16, 20, 24, 26, 28,32, 36,46, 48]

1. Class Activity

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🡪DAY 6: Chapter 6 Review

1. **Section 6.3 – Square Root Functions and Inequalities**
2. **Section 6.4 – nth Roots**

\*Mid-Chapter 6 Quiz\*

1. Section 6.5 – Operations with Radical Expressions
2. Section 6.6 – Rational Exponents
3. Section 6.7 – Solving Radical Equations and Inequalities

HOMEWORK:

* **READ:** Chapter 6 – Inverses and Radical Functions and Relations
* **COMPLETE:**
* **COMPLETE:** Section 6.3, p. 403 [#14, 18, 20, 26, 28, 30, 32, 34, 36, 38, 41-43]
* **STUDY:** Chapter 6 Mid-Chapter Quiz, and Test

**CHAPTER 6 VOCABULARY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Composition of functions | Inverse relation | Inverse function | Square root function | Radical function | Square root inequality |
| nth root | Radical sign | Index  | Radicand  | Principal root | Rationalizing the denominator |
| Conjugates | Radical equation | Extraneous solution | Radical inequality |  |  |

**ABRIDGED VOCABULARY TEMPLATE**

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

REMINDERS:

* QUIZ: Mid-Chapter 6 🡪 ~~Friday, Feb. 3~~ WEDNESDAY, Feb. 8
* TEST: Chapter 6 🡪 Wednesday, Feb. 15