**ALGEBRA II – 2022-23 January 27, 2023**

**Today’s Agenda (Day 97)**

1. Homework Check:

🡪 Section 5.7, p. 363 [#18, 22, 26, 28, 32, 34, 38, 40, 42, 44, 46, 48, 50, 52, 54]

🡪 Section 5.8, p. 370 [#10, 14, 20, 24, 26, 30, 34, 38, 42]

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1. Class Activity

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🡪DAY 1: Chapter 6 Review

1. Section 6.1 – Operations on Functions
2. Section 6.2 – Inverse Functions and Relations
3. Section 6.3 – Square Root Functions and Inequalities
4. 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:** Chapter 6 Vocabulary
* **COMPLETE:** ~~Section 5.8, p. 370 [#10, 14, 20, 24, 26, 30, 34, 38, 42]~~
* **STUDY:** Chapter 5 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 🡪 Wednesday, Feb. 1
* QUIZ: Chapter 6 Vocabulary 🡪 Friday, Feb. 3
* TEST: Chapter 6 🡪 Friday, Feb. 10