**ALGEBRA II – 2022-23 May 25, 2023**

**Today’s Agenda (Day 164)**

1. Homework Check:

🡪 Section 9.6, p. 634 [#14, 16, 18, 22, 24, 26, 28, 30, 32, 35-37]

🡪 Section 9.7, p. 643 [#14, 18, 22, 26, 30, 34, 38]

1. Class Activity

🡪 **DAY 1:** Chapter 12 PPT Review

1. **Section 12.1 – Trigonometric functions in right triangles**
2. Section 12.2 – Angles and angle measure
3. Section 12.3 – Trigonometric functions of general angles
4. Section 12.4 – Law of sines
5. Section 12.5 – Law of cosines

Mid-Chapter 12 Quiz

1. Section 12.6 - Circular and periodic functions
2. Section 12.7 – Graphing trigonometric functions
3. Section 12.8 – Translations of trigonometric graphs
4. Section 12.9 – Inverse trigonometric functions

🡪 **\*FRIDAY: High School Field Trip\***

HOMEWORK:

* **READ:** Chapter 12 – Trigonometric Section
* **COMPLETE:** Chapter 12 Vocabulary
* **COMPLETE:** ~~Section 9.6, p. 634 [#14, 16, 18, 22, 24, 26, 28, 30, 32, 35-37]~~
* **STUDY**: Chapter 12Vocabulary Quiz, Mid-Chapter Quiz and Chapter Test

**CHAPTER 12 VOCABULARY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Trigonometry | Sine | Cosine | Tangent | Cosecant | Secant |
| Cotangent | Angle of elevation | Angle of depression | Standard position | Radian | Law of sines |
| Ambiguous case | Law of cosines | Unit circle | Circular function | Periodic function | Cycle  Period |
| Amplitude | frequency |  |  |  |  |

**ABRIDGED VOCABULARY TEMPLATE**

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

REMINDERS:

* **QUIZ: Chapter 12 Vocabulary – May 31**
* **QUIZ: Mid-Chapter 12 🡪 June 2**
* **TEST: Chapter 12 🡪 June 9**