|  |
| --- |
| **Standard**: 2.10.A. Construct representations of the inverse of an exponential function with an initial value of 1.2.11.A. Identify key characteristics of logarithmic functions.2.12.A. Rewrite logarithmic expressions in equivalent forms. **Assessment:** [x]  **Quiz** [ ]  **Unit Test** [ ]  **Project** [ ]  **Lab** [ ]  **None** |
|  | **Pre-Teaching***C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp* **Learning Target** **Success Criteria 1** **Success Criteria 2** | **Activation of Learning***(5 min)* | **Focused Instruction***(10 min)****\*I DO*** | **Guided Instruction***(10 min)****\*WE DO*** | **Collaborative****Learning***(10 min)****\*Y’ALL DO*** | **Independent Learning***(10 min)****\*YOU DO*** | **Closing***(5 min)* |
| * Do Now
* Quick Write\*
* Think/Pair/Share
* Polls
* Notice/Wonder
* Number Talks
* Engaging Video
* Open-Ended Question
 | * Think Aloud
* Visuals
* Demonstration
* Analogies\*
* Worked Examples
* Nearpod Activity
* Mnemonic Devices\*
 | * Socratic Seminar \*
* Call/Response
* Probing Questions
* Graphic Organizer
* Nearpod Activity
* Digital Whiteboard
 | * Jigsaw\*
* Discussions\*
* Expert Groups
* Labs
* Stations
* Think/Pair/Share
* Create Visuals
* Gallery Walk
 | * Written Response\*
* Digital Portfolio
* Presentation
* Canvas Assignment
* Choice Board
* Independent Project
* Portfolio
 | * Group Discussion
* Exit Ticket
* 3-2-1
* Parking Lot
* Journaling\*
* Nearpod
 |
| **Monday** | \*I am going to learn how to find the inverse of exponential functions. |  |  |  |  | **Asynchronous Learning:**Complete 2.10 Inverses of Exponential Functions Notes |  |
| **Tuesday** | \*I am going to learn how to find the inverse of exponential functions. | Bell Ringer: AP Exam Test Prep Question | Teacher will cover worked examples on inverse functions in Inverses of Exponential Functions Packet (2.10) |  | Students will continue to work in pairs to complete Inverse of Exponential Functions Practice Problems |  | Review misconceptions |
| **Wednesday** | \*I am going to learn how to define key characteristics of logarithmic functions. | Bell Ringer: AP Exam Test Prep Question | Teacher will cover worked examples on characteristics of logarithmic functions in Logarithmic Functions Packet (2.11) |  | Students will continue to work in pairs to complete Logarithmic Functions Practice Problems |  | Review misconceptions |
| **Thursday** | \*I am going to learn how to expand and condense logarithmic functions. | Bell Ringer: AP Exam Test Prep Question | Teacher will cover worked examples on expanding and condensing logarithmic functions in Logarithmic Functions Manipulation Packet (2.12) |  | Students will continue to work in pairs to complete Logarithmic Functions Manipulation Practice Problems |  | Review misconceptions |
| **Friday** | \*I am going to quiz over exponential functions’ inverses, characteristics of logarithmic functions, and rewriting logarithmic expressions. | Review misconceptions |  |  | **2nd half of class:** After quiz, students will complete 2.10-2.12 AP Classroom Topic Questions | Students will complete 2.10-2.12 Quiz **1st Half of Class** | Review common missed AP Classroom Questions |

*key literacy strategies*