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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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:  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*