J. L. Mann High School Weekly Lesson Plans 2023-2024

Teacher's Name: J. Sullivan Course: Precalculus CP Dates: 10/20/25-10/24/25

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STANDARDS | STANDARDS | STANDARDS | STANDARDS | STANDARDS |
| PC.PAFR.4.2 | PC.PAFR.4.2 | PC.PAFR.4.2 | PC.PAFR.4.2 | PC.PAFR.4.2 |
| Use the definition of a logarithm, logarithmic properties, and the inverse relationship between exponential and logarithmic functions to solve problems, including real-life context. | Use the definition of a logarithm, logarithmic properties, and the inverse relationship between exponential and logarithmic functions to solve problems, including real-life context. | Use the definition of a logarithm, logarithmic properties, and the inverse relationship between exponential and logarithmic functions to solve problems, including real-life context. | Use the definition of a logarithm, logarithmic properties, and the inverse relationship between exponential and logarithmic functions to solve problems, including real-life context. | Use the definition of a logarithm, logarithmic properties, and the inverse relationship between exponential and logarithmic functions to solve problems, including real-life context. |
| LEARNING TARGET Students will use log | LEARNING TARGET Students will use log | LEARNING TARGET Students will use log | LEARNING TARGET Students will use the three | LEARNING TARGET Students will show |
| properties to solve equations with natural log and base e. | properties and the change of base formula to solve exponential equations without a common base. | properties to solve log and exponential equations. | important points and the inverse relationship to graph log and exponential functions. | mastery of log and exponential functions as they take the unit test. |
| ACTIVATING STRATEGY |
| Bellwork - Quiz Review | Bellwork | Bellwork | Bellwork | Bellwork -Test Review |
| LESSON ACTIVITIES |
| Log Quiz Solving log equations with natural log | Solving Exponential Equations without the same base | Continue Practicing Solving Log Equation and Exponential Equations | Log and Exponential Test Review | Log and Exponential Test |

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| CLOSURE | CLOSURE | CLOSURE | CLOSURE | CLOSURE |
|--------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------|----------------------------|
| Practice Problems | Practice Problems | Practice Problems | Practice Problems | Test Reflection |
| | | | | |
| mportant Due Dates: Mono | day, October 20th Log Quiz, F | riday, October 24th Log and | Exponential Test | |
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| | | | ons? Check the boxes or highlig | |
| REPRESENTATION | ENGAGEMENT | EXPRESSION | CULTURAL | ASSESSMENTS |
| options for presenting content | options for engaging student | options for students to | CONSIDERATIONS | |
| ☐ Artifacts | X Cooperative Work | demonstrate learning X Written Response | □ Nature of content & | X Class Work |
| □ Pictures | X Partner Work | ☐ Illustrated Response | ethnicity and/or culture of | Journals |
| ☐ Graphic Organizers | ☐ Manipulatives | X Oral Response | students | X Group Discussion |
| □ Video Clips | □Movement | ☐ Model Creation | ☐Other: | X Individual Participation |
| ☐ Audio Recordings | Debates | Construction | | X Quiz / Test |
| □ Lab | ☐ Role Plays or Simulations | Other: | | □ Project |
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| X Lactura | I I II | | | ☐ Conference |
| (Lecture □ Other: | ☐ Other: | | | ☐ Conference ☐ Essay |

^{*}All adjustments to the teacher's lesson plans will be communicated to the students.