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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard**:  AA.PAR.6: Represent data with matrices, perform mathematical operations, and solve systems of linear equations leading to real-world linear programming applications.  **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 determinant of a matrix. | Bell Ringer: Solving Matrix Equation by adding or subtracting | | Teacher presents determinants PPT |  | | Students work on finding determinants practice problems (1-10 on worksheet) in pairs |  | | | Review answers to numbers 1-10 |
| **Tuesday** | \*I am going to review how to find the determinant of a matrix. | Bell Ringer: Finding the determinant of a 2x2 matrix and a 3x3 matrix | |  |  | | Students will complete Determinant Delta Math (with student helpers) |  | | | Review any misconceptions |
| **Wednesday** | \*I am going to learn how to find the inverse of a matrix. | Bell Ringer: Finding the determinant of a 2x2 matrix and a 3x3 matrix | | Teacher presents inverse PPT |  | | Students work on finding inverse practice problems (11-20 on worksheet) in pairs |  | | | Review answers to numbers 11-20 |
| **Thursday** | \*I am going to review how to find the inverse of a matrix. | Bell Ringer: Finding the inverse of a matrix | |  |  | | Students will complete worksheet and Inverse Delta Math (with student helpers) |  | | | Review any misconceptions |
| **Friday** | | \*I am going to quiz on determinants and inverses. | Review any misconceptions. |  | | |  |  | Complete Matrix Determinant and Inverse Quiz | | |  |

*key literacy strategies*