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| **Standard(s)**: Unit 5AA.PAR.6.1: Use matrices to represent data, and perform mathematical operations with matrices and scalars, demonstrating that some properties of real numbers hold for matrices, but that others do not.Unit 6AA.GSR.7: Develop an introductory understanding of the unit circle; solve trigonometric equations using the unit circle.**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
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| **Monday 03-10-25** | **PowerUp Asynchronous Learning Day**  |
| **Tuesday****03-11-25** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*I’m learning to show what I have learned throughout Unit 5 about adding, subtracting, scalar multiplication, multiplying 2 x 2 matrices and calculating the determinate. I can show what I have learned throughout Unit 5 about adding, subtracting, scalar multiplication, multiplying 2 x 2 matrices and calculating the determinate. | Bell-ringer/Do Now ActivityWhat additional questions do you have from Unit 5 about adding, subtracting, scalar multiplication, multiplying 2 x 2 matrices and calculating the determinate? | Work Examples andVisuals Teacher will review and give examples of adding, subtracting, scalar multiplication, multiplying 2 x 2 matrices and calculating the determinate. | Guided notes/video/Power pointStudents will review/take additional notes on adding, subtracting, scalar multiplication, multiplying 2 x 2 matrices and calculating the determinate. | Practice ProblemsThink/Pair/Share, Gallery Walk, Discussions Students will take the Unit 5 exam. | Practice Handout/worksheetStudents will continue to take the Unit 5 exam. | Group Discussion/Exit TicketStudents will turn in their Unit 5 exam. |
| **Wednesday** **03-12-25** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp* I’m learning to show what I have learned throughout Unit 5 about adding, subtracting, scalar multiplication, multiplying 2 x 2 matrices and calculating the determinate.I can show what I have learned throughout Unit 5 about adding, subtracting, scalar multiplication, multiplying 2 x 2 matrices and calculating the determinate.If time permits, Introduction of Unit 6: Unit Circle | Bell-ringer/Do Now ActivityWhat additional questions do you have from Unit 5 about adding, subtracting, scalar multiplication, multiplying 2 x 2 matrices and calculating the determinate? | Work Examples andVisuals Teacher will review and give examples of adding, subtracting, scalar multiplication, multiplying 2 x 2 matrices and calculating the determinate. | Guided notes/video/Power pointStudents will review/take additional notes on adding, subtracting, scalar multiplication, multiplying 2 x 2 matrices and calculating the determinate. | Practice ProblemsThink/Pair/Share, Discussions Students will take the Unit 5 exam. | Practice Handout/worksheetStudents will continue to take the Unit 5 exam. | Group Discussion/Exit TicketStudents will turn in their Unit 5 exam. |
| **Thursday****03-13-25****Unit 6 Begins** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp* I’m learning to define the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane. I can define the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane. | Bell-ringer/Do Now ActivityWhat do you remember about the coordinate plane? Practice coordinate plane problems on board for students to solve. | Work Examples andVisuals Teacher will give examples of the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane. | Guided notes/video/Power pointStudents will take notes on the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane. | Practice ProblemsThink/Pair/Share, Discussions Students will have an opportunity to work with partners. | Practice Handout/worksheetStudents will work individually on practice problems. | Group Discussion/Exit TicketWhat did you learn about coordinate plans and the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane? |
| **Friday****03-14-25** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*I’m learning to define the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane.I can define the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane. | Bell-ringer/Do Now ActivityWhat do you remember from yesterday’s lesson about the coordinate plane and the basic trigonometric ratios? Practice problems on board for students to solve. | Work Examples andVisuals Teacher will continue to give examples of the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane. | Guided notes/video/Power pointStudents will continue to take notes on the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane. | Practice ProblemsThink/Pair/Share, Discussions Students will have an opportunity to work with partners. | Practice Handout/worksheetStudents will work individually on practice problems. | Group Discussion/Exit TicketWhat did you learn about coordinate plans and the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane? |

*\*key literacy strategy*