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| **Standard(s)**:  AA.FGR.5 Extend exploration of quadratic solutions to include real and non-real numbers and explore how these numbers behave under familiar operations and within real-world situations; create polynomial expressions, solve polynomial equations, graph polynomial functions, and model real-world phenomena.  **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 01-27-25** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m reviewing previously learned materials for an assessment on solving quadratics using square roots and factoring.  I can show what I have previously learned for an assessment on solving quadratics using square roots and factoring. | Bell-ringer/Do Now Activity  Review problems, solving quadratics using square roots and factoring | Work Examples and  Visuals  Teacher will review and give examples of solving quadratics using square roots and factoring | Guided notes/video/Power point  Students will review and ask/answer questions about their notes on solving quadratics using square roots and factoring | Practice Problems  Think/Pair/Share, Discussions  Students will have an opportunity to work with partners. | Practice Handout/worksheet  Students will work individually on practice problems. | Group Discussion/Exit Ticket  What additional thing(s) did you learn about solving quadratics using square roots and factoring? |
| **Tuesday 01-28-25** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m reviewing previously learned materials for an assessment on solving quadratics using square roots and factoring.  I can show what I have previously learned for an assessment on solving quadratics using square roots and factoring. | Bell-ringer/Do Now Activity  Review solving quadratics problems using square roots and factoring | Work Examples and  Visuals  Teacher will review and give examples of solving quadratics using square roots and factoring | Guided notes/video/Power point  Students will review and ask/answer questions about their notes on solving quadratics using square roots and factoring | Practice Problems  Think/Pair/Share, Gallery Walk, Discussions  Students will have an opportunity to work with partners. | Practice Handout/worksheet  Students will work individually on practice problems. | Group Discussion/Exit Ticket  What additional thing(s) did you learn about solving quadratics using square roots and factoring? |
| **Wednesday 01-29-25** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m reviewing previously learned materials for an assessment on solving quadratics using square roots and factoring.    I can show what I have previously learned for an assessment on solving quadratics using square roots and factoring. | Bell-ringer/Do Now Activity  Final review of solving quadratics problems using square roots and factoring for quiz. | Work Examples and  Visuals  Teacher will do a final review and give examples of solving quadratics using square roots and factoring for quiz. | Guided notes/video/Power point  Students will review/use notes on solving quadratics by square root/factoring to take their quiz. | Practice Problems  Think/Pair/Share, Discussions  Students are taking a quiz. | Practice Handout/worksheet  Students are taking a quiz. | Group Discussion/Exit Ticket  Students will turn in their quiz. |
| **Thursday 01-30-25** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m learning to define/use complex numbers by adding/subtracting.  I can define/use complex numbers by adding/subtracting. | Bell-ringer/Do Now Activity  What are complex numbers?  Have you heard about complex numbers? | Work Examples and  Visuals  Teacher will give examples of solving problems using complex numbers with addition/subtracting | Guided notes/video/Power point  Students will take notes on solving problems using complex numbers with addition/subtraction | Practice Problems  Think/Pair/Share, Discussions  Students will have an opportunity to work with a partner solving problems using complex numbers with addition/subtraction | Practice Handout/worksheet  Students will work individually on solving problems using complex numbers with addition/subtraction | Group Discussion/Exit Ticket  What did you learn about solving problems using complex numbers with addition/subtraction? |
| **Friday 01-31-25** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m learning to define/use complex numbers by multiplication.  I can define/use complex numbers by multiplication. | Bell-ringer/Do Now Activity  What did we learn about complex numbers? | Work Examples and Visuals  Teacher will give examples of solving problems using complex numbers with multiplication | Guided notes/video/Power point  Students will take notes on solving problems using complex numbers with multiplication | Practice Problems  Think/Pair/Share, Discussions  Students will have an opportunity to work with a partner solving problems using complex numbers with multiplication | Practice Handout/worksheet  Students will work individually on solving problems using complex numbers with multiplication | Group Discussion/Exit Ticket  What did you learn about solving problems using complex numbers with multiplication? |

*\*key literacy strategy*