

UNIT 9 - LESSON PLANS

Class Algebra 1 **Topic** U9– Factoring to Solve Quadratic Equations **Lesson** 4 **Of** 8

Students will:

Objective

- Be able to understand how to solve the quadratic equations using factorization.
- Be able to understand the zero product property of real numbers and its usage in solving quadratic equations.

“I Can” Statement

I can find the solutions of any quadratic equation using factorization.

[CCSS.MATH.CONTENT.HSF.IF.C.7](#)

Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases.

Common Core Standards

[CCSS.MATH.CONTENT.HSA.REI.B.4.B](#)

Solve quadratic equations by inspection (e.g., for $x^2 = 49$), taking square roots, completing the square, the quadratic formula and factoring, as appropriate to the initial form of the equation. Recognize when the quadratic formula gives complex solutions and write them as $a \pm bi$ for real numbers a and b .

Bell Work

See 9-4 Bell Work

Procedures

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.
4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

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Assessment

Bell Work 9-4

Assignment 9-4

Exit Quiz 9-4

Additional Resources

See Online Activities