

UNIT 9 - LESSON PLANS

Class Algebra 1

Topic U9– Solving Quadratic Equations

Lesson 3 **Of** 8

Students will:

Objective

- Be able to understand how to solve the quadratic equations using graphical method.
- Be able to solve the quadratic equations by square root method.

“I Can” Statement

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

[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 9-3 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 9-3

Assignment 9-3

Exit Quiz 9-3

Additional Resources

See Online Activities