

# UNIT 1- LESSON PLANS

**Class** Algebra 2

**Topic** U1 – Solving Equations

**Lesson 3 Of 6**

Students will:

**Objective**

- Create equations in one variable.
- Simplify algebraic expressions to solve equations
- Solve word problems by using one variable equation.
- Rearrange a formula to highlight a quantity of interest.

**“I Can” Statement**

- I can solve equations in one variable.

[CCSS.Math.Content.HSA.CED.A.1](#)

Create equations and inequalities in one variable and use them to solve problems. *Include equations arising from linear and quadratic functions, and simple rational and exponential functions.*

[CCSS.Math.Content.HSA.CED.A.4](#)

**Common Core Standards**

Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations. *For example, rearrange Ohm's law  $V = IR$  to highlight resistance  $R$ .*

[CCSS.Math.Content.HSA.REI.B.3](#)

Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.

**Bell Work**

Solve a quick quiz to refresh the concepts learned in algebraic expressions lesson.

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## 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. Distribute Lesson Assignment.
5. Have students check each other's work.

## Assessment

- Assignment 1-2
- How to interpret a word problem into an equation?
- How to solve a linear equation in one variable?

## Additional Resources

[Regents Prep online quiz](#)