

Topic: UNIT 1 EXPRESSIONS, EQUATIONS, and FUNCTIONS

Days: 8

Subject(s): Math

Grade(s): 8th, 9th, 10th, 11th, 12th

**Key Learning: Solving, and applying properties of expressions and equations used in modeling real-world situations.**



Unit Essential Question(s): **How are algebraic solutions of expression, equations, and inequalities used to solve real-world problems?**



**Concept: Algebraic**  
Students will simplify and solve expressions, equations, and functions algebraically.

**Concept: Application**  
Students will simply, solve, and graph expressions, equations, and functions in real-world situations.



**Lesson Essential Question(s):**  
What are the steps for writing equations and inequalities? (A)

**Lesson Essential Question(s):**  
How can you determine if a statement is always, sometimes, or never true? (A)  
  
How can you use a problem solving plan to solve a problem? (A)



**Vocabulary:**  
equation, inequality, open sentence, solution of an equation, solution of an inequality

**Vocabulary:**  
formula

**Additional Information:**  
Unit 1 sections 1.4, 1.5, Extended Thinking Activities - MA.912.A.10.3 - PG 13  
Not Tested 1.1, 1.2, 1.3 (Do sections as review)

**Attached Document(s):**

Vocab Report for Topic: UNIT 1 EXPRESSIONS, EQUATIONS, and  
FUNCTIONS

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**Concept: Algebraic**

equation, inequality, open sentence, solution of an equation, solution of an inequality -

**Concept: Application**

formula -