

Teacher: Walczyk

Course: **Foundations in Algebra**

Period(s): 1

Week of: 2/12/18

Unit Title: Solving Equations and Proportional Reasoning

State Standards: FA.ACE.1, FA.ASE.1, FA.ACE.4, FA.AREI.1, FA.AREI.3

	Standards	Goals As a result of this lesson the student will be able to:	Instructional Plan Activities (aligned, sequenced, build, time)	Student Work (Thinking & Problem Solving, Real World)	Assessment (aligned, rubrics, >2, written)	Grouping Method	Materials	Accommodations (IEP, 504, ESOL)
Monday	Various	Gain confidence with use of adding and subtracting fractions with common and non-common denominators, multiplying fractions, order of operations, integer operations, and combining like terms.	Review worksheet on combined skills. Complete combined skills QUIZ. Continue Aleks website onramp skills builder.	Actively participate in homework review. Complete combined skills QUIZ. Complete Aleks onramp questions.	Quiz performance Aleks onramp question completion	Whole class Individual	Quiz Laptops Aleks logins	Applies to IEP/504 Priority seating, Modeling
Tuesday	FA.ASE.1 FA.AREI.3	Create and solve equations and inequalities in one variable that model real-world problems involving linear relationships. Solve linear equations in one variable, including equations with coefficients represented by letters.	Review Quiz Start chapter 9.1 – Symbols and Sets of Numbers	Participate in quiz review. Take notes on Chapter 9.1. Identify the difference between real, irrational, rational, natural, and whole numbers. Identify and use inequality symbols correctly. Translate sentences into mathematical statements. Complete problems in online computer program.	Participation in quiz review/questioning. Ensure students are actively taking notes. Questioning during lesson. Student participation during lesson. Walk room and assist as necessary during practice problems and start of homework problems.	Whole group, Individual, small group	Graded quizzes Notes for CS9.1 Laptops Workbooks	Applies to IEP/504 Priority seating Modeling, pair up with partners
Wednesday	FA.ASE.1 FA.AREI.3	Create and solve equations and inequalities in one variable that model real-world problems involving linear relationships. Solve linear equations in one variable, including equations with coefficients represented by letters.	Complete problems from CS9.1 and review. Start chapter 9.2 – Properties of Real Numbers	Complete problems from CS 9.1 and review. Take notes on Chapter 9.2 Use the commutative and associative properties. Use the distributive property. Use the identity and inverse properties.	Participation in homework review/questioning. Ensure students are actively taking notes. Questioning during lesson. Student participation during lesson. Walk room and assist as necessary during practice problems and start of homework problems.	Whole group, Individual, small group	Homework answers Notes for CS9.2 Laptops Workbooks	Applies to IEP/504 Priority seating Modeling, pair up with partners

Thursday	FA.ASE.1	Create and solve equations and inequalities in one variable that model real-world problems involving linear relationships.	Complete problems from CS9.2 and review. Start chapter 9.3 – Further Solving Linear Equations	Complete problems from CS 9.2 and review. Take notes on Chapter 9.3. Apply a general strategy for solving linear equations. Solve equations for containing fractions or decimals. Recognize identities and equations with no solution.	Participation in homework review/questioning. Ensure students are actively taking notes. Questioning during lesson. Student participation during lesson. Walk room and assist as necessary during practice problems and start of homework problems.	Whole group, Individual, small group	Homework answers Notes for CS9.2 Laptops Workbooks	Applies to IEP/504 Priority seating Modeling, pair up with partners
	FA.AREI.3	Solve linear equations in one variable, including equations with coefficients represented by letters.						
Friday	FA.ASE.1	Create and solve equations and inequalities in one variable that model real-world problems involving linear relationships.	Complete problems from CS9.3 and review. Continue practicing solving linear equations.	Complete problems from CS 9.1 and review. Apply a general strategy for solving linear equations. Solve equations for containing fractions or decimals. Recognize identities and equations with no solution.	Participation in homework review/questioning. Walk room and assist as necessary during practice problems and start of homework problems.	Whole group, Individual, small group	Homework answers Laptops Workbooks	Applies to IEP/504 Priority seating Modeling, pair up with partners
	FA.AREI.3	Solve linear equations in one variable, including equations with coefficients represented by letters.						

* All plans are subject to change. Student progress will be monitored and adjustments will be made. **NOTE:CS = Chapter Section. Example CS1.2 is Chapter 1 Section 2 in the textbook.**