Algebra 1- Week 7 Homework

Monday- (Algebra Nation: Section 2: Equations and Inequalities, Topic 1, 2, and 3: Equations: True or False?, Identifying Properties When Solving Equations, and Solving Equations) Multi-Step Equations

Show Your Work	Answer	Check Your Answer
	Show Your Work	Show Your Work Answer

Tuesday/Wednesday- (Algebra Nation: Section 2: Equations and Inequalities, Topic 1, 2, and 3: Equations: True or False?, Identifying Properties When Solving Equations, and Solving Equations)

Multi-Step Equations

Solve each equation using two different procedures.

5. $5g + 12 = 21g + 20$	1a. 5g + 12 = 21g + 20

Name:	Date:	Block:	
6. $6(x+6) = 7(x-9)$	2a. 6(x + 6) = 7(x - 9)		
Thursday- (Algebra Nation: Section 4: Linear Equations, Functions, and Inequalities, Topic 5: Introduction to Systems of Equations) Create a multistep equation with the given number of solutions. Solve. Then, explain your reasoning with in two complete sentences. 1. No Solutions			

Friday- (Algebra Nation: Section 4: Linear Equations, Functions, and Inequalities, Topic 3 and 4: Interpreting Rate of Change and y-intercept in a Real World Context)

Bobby and Billy are brothers. Bobby weighs 150 pounds and is gaining ten pounds each month. Billy weighs 360 pounds and is losing 20 pounds each month.

• Equation:

2. Infinite Solutions

3. One Solution

- How many months, *m*, will it take for Billy to weigh the same as Bobby?
- How much will the brothers weight at that point?