Exam Review #1 Solving Equations and Inequalities Algebra 1 Kitt/Baker

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_

**Solving Equations**

**Directions**: List the five general rules as discussed in class for solving equations.

1)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions:** Solve each equation. Show all work.

**Solving Equations with Addition and Subtraction**

1.  2.  3. 

4.  5. 

**Solving Equations with Multiplication and Division**

6.  7.  8. $\frac{4}{5}x=2$ 9. $-5k=-25$

**Solving 2-step Equations**

10.  11. $-4m+5=45$ 12. 

**Solving Multi-Step Equations with Variables on Both Sides**

13.  14. $4\left(v+2\right)=-16$

15.  16. 

**Solving Inequalities**

**Solving Inequalities with Addition and Subtraction**

**Directions**: *Solve each inequality. Graph your results on a number line.*

17.  18.  19. $x-\left(-5\right)>12$ 20. 

**Solving Inequalities with Multiplication and Division**

**Directions**: *Solve each inequality.* *Graph your results on a number line.*

21.  22.  23.  24. 

**Solving Multi-step Inequalities**

**Directions**: *Solve each inequality. Graph your results on a number line.*

26.  26.  27. 