Exam Review #1: Unit 5 Linear Equations Algebra 1 Kitt

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

**Part 1: Slope/Intercept Form** $y=mx+b$**.**

Directions: Rearrange the equations into slope/intercept form $y=mx+b$.

1. $2x+y=3$ 2. $5y=2x+15$ 3. $3x-4y=16$

4. $2x+3y=15$ 5. $-5x+2y=10$ 6. $2x-4y=8$

**Part 2: Graphing Linear Inequalities and Systems of Linear Inequalities**

If the sign is: < draw a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ line and shade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

If the sign is: > draw a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ line and shade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

If the sign is : $\leq $ draw a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ line and shade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

If the sign is: $\geq $ draw a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ line and shade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Directions**: Graph the inequalities

1. $y>\frac{3}{2}x-5$ 2. $y\leq x+5$

1. $y<\frac{-1}{2}x+4$ 4. $y\geq \frac{-5}{2}x+1$