

**Algebra 1**  
**Practice Quiz 5.4-5.6**

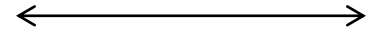
NAME \_\_\_\_\_

**Solve each compound inequality and then on a number line which is provided on the right. (3 Points)**

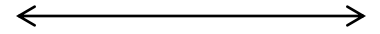
1.  $a - 2 < 10$  and  $a + 3 \geq 9$

2.  $b + 5 \geq 13$  or  $b - 7 \leq -4$

1. \_\_\_\_\_



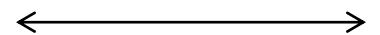
2. \_\_\_\_\_



3.  $2c + 9 \leq 17$  or  $4c - 11 > 21$

4.  $3d + 15 > -6$  and  $6d - 17 < 7$

3. \_\_\_\_\_



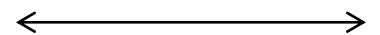
4. \_\_\_\_\_



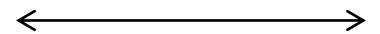
5.  $-15 \leq 2f - 9 \leq 11$

6.  $4g > 2g + 14$  or  $6g < 2g + 12$

5. \_\_\_\_\_



6. \_\_\_\_\_



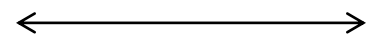
7.  $|h - 8| \geq 13$

8.  $|3j + 12| < 9$

7. \_\_\_\_\_



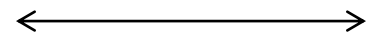
8. \_\_\_\_\_



9.  $|5k + 10| \leq 15$

10.  $|2m + 6| > 14$

9. \_\_\_\_\_



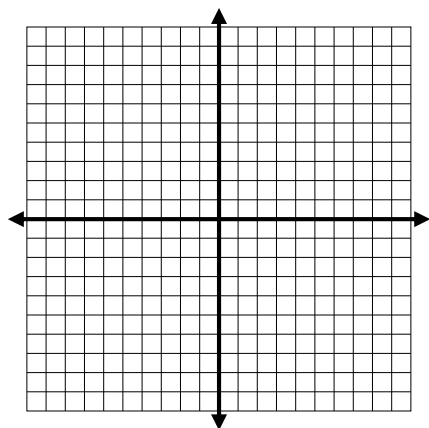
10. \_\_\_\_\_



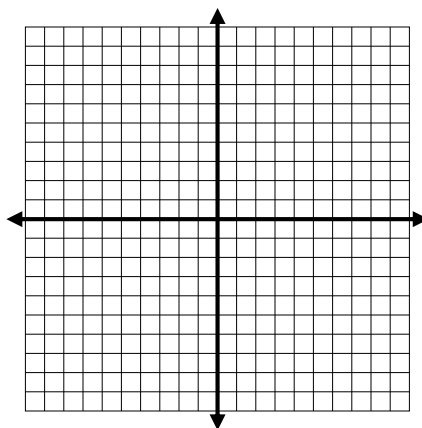
Points (30) \_\_\_\_\_

**Graph each inequality. (3 Points)**

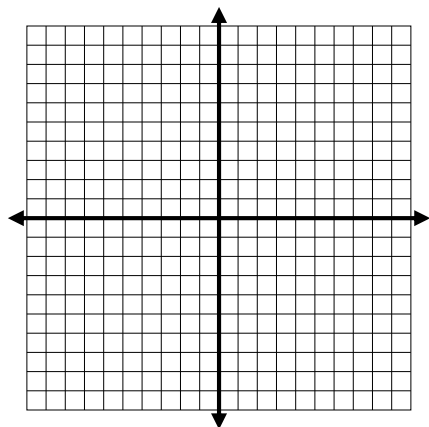
11.  $y > 3x - 4$



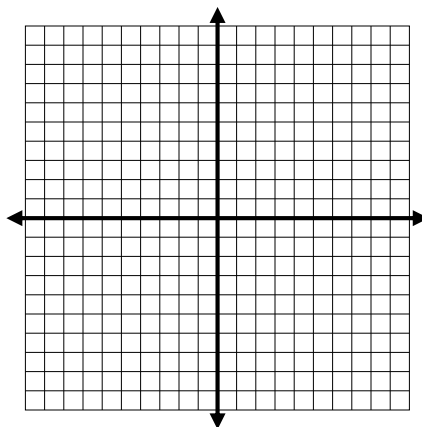
12.  $2x + y \leq 9$



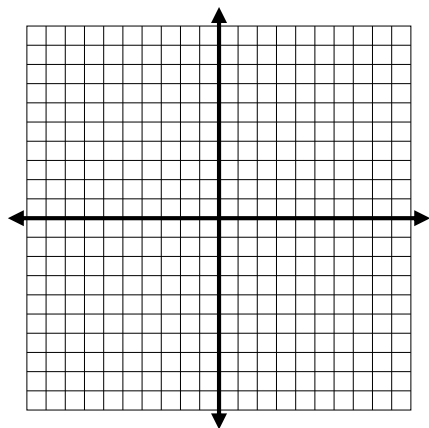
13.  $3x + 4y < 16$



14.  $6y - 5x \geq -12$



15.  $x > 5$



16.  $6x + 4y > 12$

