

Name _____

Date _____

Period ____

Algebra 2 // Unit 2 // 2.5 // Practice 3

2008-2009

Sketch the graphs of the following inequalities. Use graph paper!

1. $y \geq 2x - 5$

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

3. $y > 3$

4. $y \geq \frac{2}{3}x$

5. $3x > -12$

6. $2x + 2 \leq 10$

7. $y \geq -x + 3$

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

9. $2x + 3y < 6$

10. $-x + 2y \geq 4$

11. $3x - y \geq 6$

12. $4x + 3y \leq 12$

13. $x < -5 + y$

14.
$$\begin{cases} y \leq -x + 2 \\ x < 3 \end{cases}$$

15.
$$\begin{cases} -2y > x - 4 \\ x \geq -1 \\ -y < 3 \end{cases}$$

16.
$$\begin{cases} x \leq 5 \\ y \geq -4 \\ x \geq -2 \\ y \leq 6 \end{cases}$$

