Handout 3: Graphing and Solving Systems of Linear Inequalities

Graph the following systems of linear inequalities.

6. 5x - 5y > 1 and 4x + y < 8.

1. $4x - 5y \le 1$ and $2x - y \ge 2$.

7. y - x < -1 and x - 3y < -1.

2. $x - y \ge 4$ and 2x + y < -7.

8. 2x + 3y > 4 and 2x - 3y < 4.

3. 3x - y < -3 and x + 2y > 4.

9. $2y - x \le -2$ and x + y < 1.

5. $4y \le -8$ and $5y - 2x \le -3$

4. 3x > 2 and 2x + 5y < -2.

10. x + y > 3 and x + 3y > 3.

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