Name: _____   Date _____

<u>Solving Linear Inequalities- Worksheet 1</u>

Solve following linear inequalities

1. $5x + 4 \leq 3 - 3x$ **2.** $5y - 6 \leq 2y - 7$

3. $8x > x + 2$ **4.** $6x \geq 4 + 2x$

5. $5x - 2 \geq 4 + 3x$ **6.** $2x - 2 \leq 8x + 4$

Solve and graph the solution set of following

7. $2y < -4$ **8.** $7y < 2x + 8$

9. $2y > y - 9$ **10.** $9y \leq -3$

Name: _____   Date _____

<u>Solving Linear Inequalities- Worksheet 2</u>

Solve following linear inequalities

1. $2x - 2 > 5 + 6x$ **2.** $6y - 2 \leq 2y$

3. $3x \leq 2x + 5$ **4.** $6x + 5 \geq 4 - 4x$

5. $6x - 2 < 3$ **6.** $2x - 5 > 6x + 3$

Solve and graph the solution set of following

7. $8y \geq 5$ **8.** $5y - 9 \leq 2y + 7$

9. $5y < 8 - 7$ **10.** $3y \geq -8$

Name: _____   Date _____

<u>Solving Linear Inequalities- Worksheet 3</u>

Solve following linear inequalities

1. $5y \geq 2y + 9$ **2**. $2x - 8 < 6x + 3$

3. $3y > 2y - 7$ **4**. $5x \leq 2x - 3$

5. $2y - 5 < 3y - 3$ **6**. $6x > 6 - 2x$

Solve and graph the solution set of following

7. $5y > 5x$ **8**. $9y - 3 > 3x + 6$

9. $5y \leq 8 - 2$ **10**. $6y \geq 6 + 5$

Name: _____   Date _____

<u>Solving Linear Inequalities- Worksheet 4</u>

Solve following linear inequalities

1. $8x \leq 2 - 5x$ **2.** $9y - 2 > 3 + 6y$

3. $5y + 3 < 7y - 5$ **4.** $5x + 5 \geq 6x - 7$

5. $8x - 5 > 2x + 4$ **6.** $5y + 2 \leq 8y$

Solve and graph the solution set of following

7. $8y \leq 8x - 10$ **8.** $2y > 2x$

9. $3y < 5 + 3x$ **10.** $5y \geq 6x$

Name: _____   Date _____

<u>Solving Linear Inequalities- Worksheet 5</u>

Solve following linear inequalities

1. $\quad$ $4y \geq 9 + 3y$ $\qquad$ **2.** $\qquad$ $9x - 2 < 9$

3. $\quad$ $5x + 5 < 2x - 3$ $\qquad$ **4.** $\qquad$ $2y + 7 \leq 3y - 5$

5. $\quad$ $9y - 5 > 13$ $\qquad$ **6.** $\qquad$ $2x + 7 \leq 3x$

Solve and graph the solution set of following

7. $\quad$ $3y > 7 - 4x$ $\qquad$ **8.** $\qquad$ $4y \leq 8x - 9$

9. $\quad$ $8y - 3 \geq 5x + 3$ $\qquad$ **10.** $\qquad$ $5y < -10$