

Name: _____

Date _____

Solving Linear Inequalities- Worksheet 1

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. $2y > y - 9$

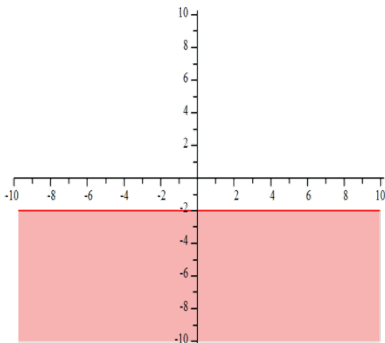
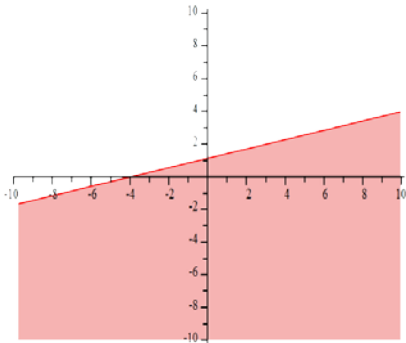
10. $9y \leq -3$



Name: _____

Date _____

Solving Linear Inequalities- Worksheet 1 **ANSWRES**

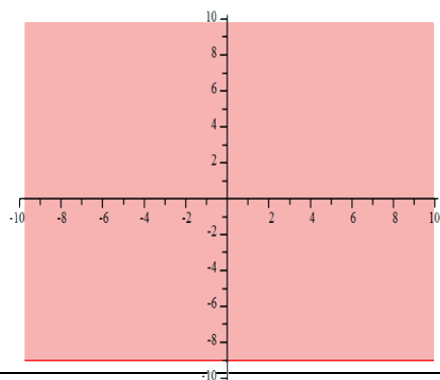
1.	$x \leq -\frac{1}{8}$
2.	$y \leq -\frac{1}{3}$
3.	$x > \frac{2}{7}$
4.	$x \geq 1$
5.	$x \geq 3$
6.	$x \leq -1$
7.	
8.	



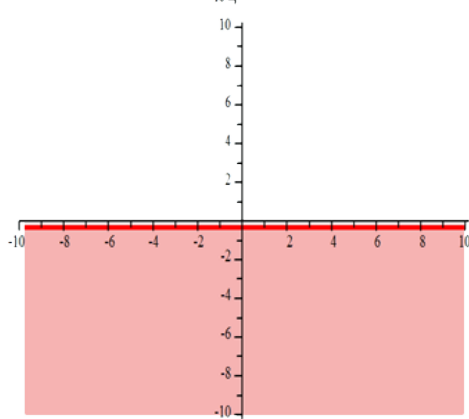
Name: _____

Date _____

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Name: _____

Date _____

Solving Linear Inequalities- Worksheet 2

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. $5y < 8 - 7$

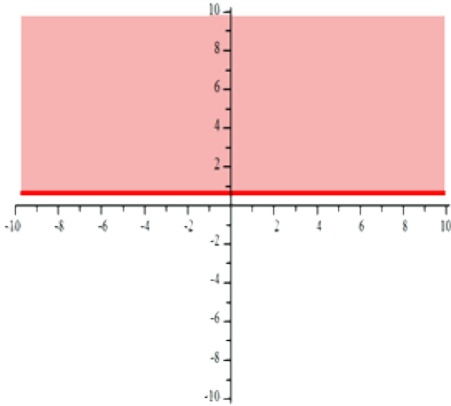
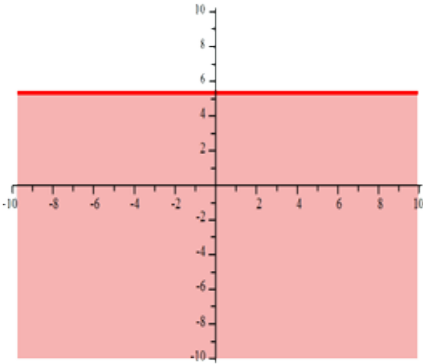
10. $3y \geq -8$



Name: _____

Date _____

Solving Linear Inequalities- Worksheet 2 **ANSWERS**

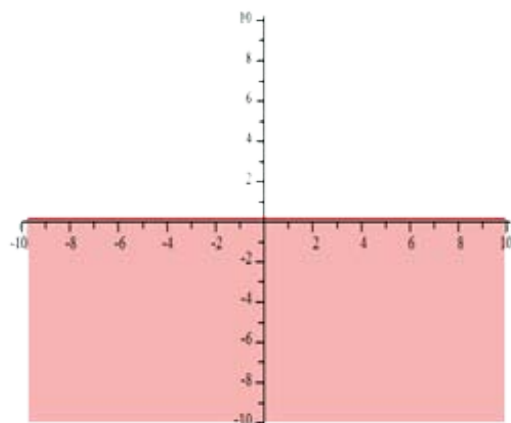
1.	$x > -\frac{7}{4}$
2.	$y \leq 1/2$
3.	$x \leq 5$
4.	$x \geq -\frac{1}{10}$
5.	$x < \frac{5}{6}$
6.	$x > -2$
7.	
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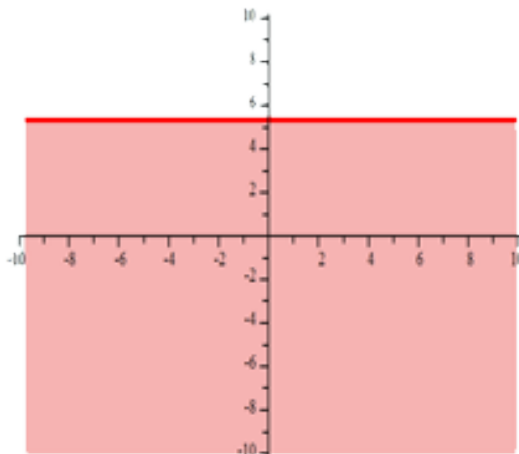
Name: _____

Date _____

9.



10.



Name: _____

Date _____

Solving Linear Inequalities- Worksheet 3

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. $5y \leq 8 - 2$

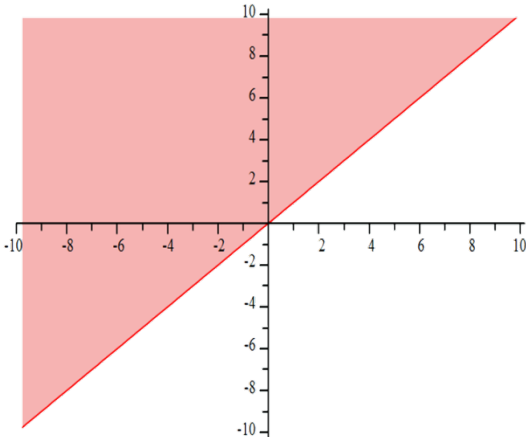
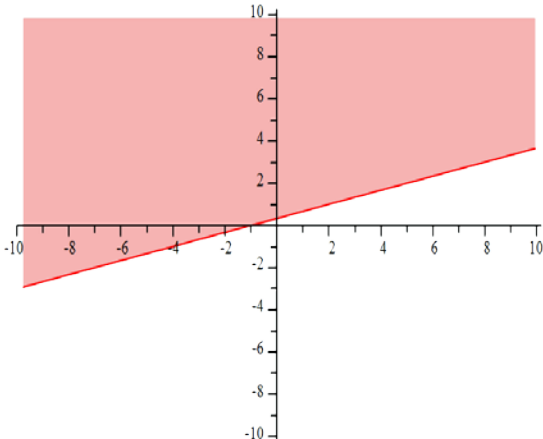
10. $6y \geq 6 + 5$



Name: _____

Date _____

Solving Linear Inequalities- Worksheet 3 **ANSWERS**

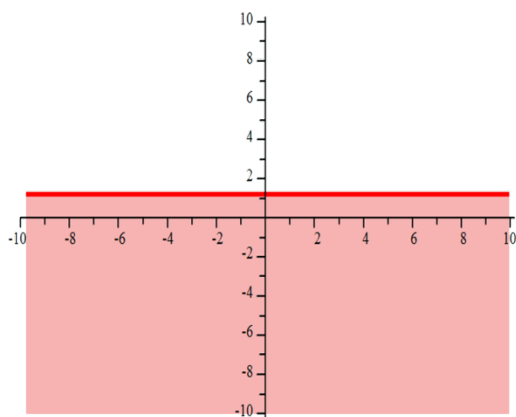
1.	$y \geq 3$
2.	$x < -\frac{11}{4}$
3.	$y > -7$
4.	$x < -1$
5.	$y < -2$
6.	$x > \frac{3}{4}$
7.	
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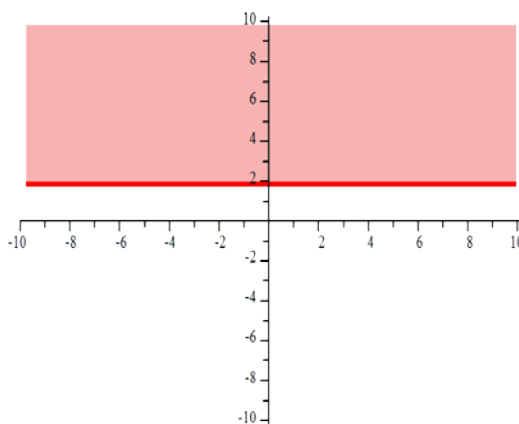
Name: _____

Date _____

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10.



Name: _____

Date _____

Solving Linear Inequalities- Worksheet 4

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. $3y < 5 + 3x$

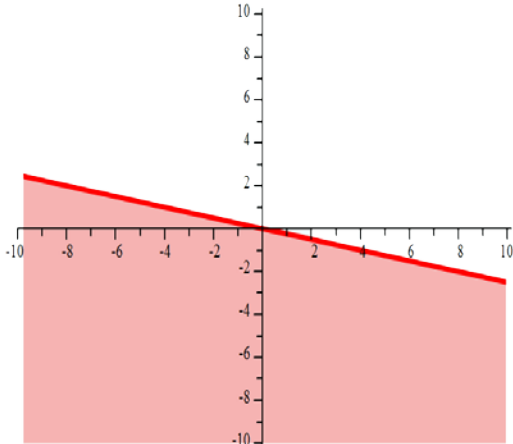
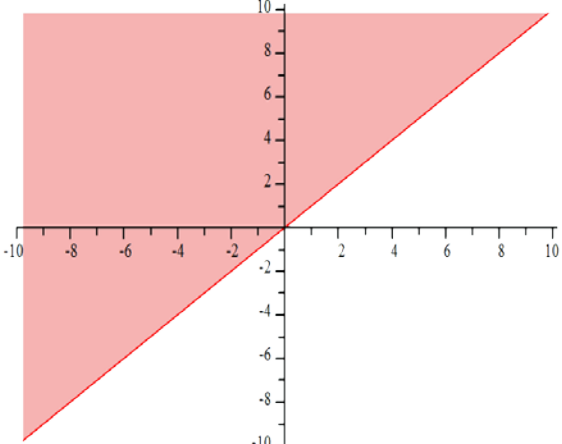
10. $5y \geq 6x$



Name: _____

Date _____

Solving Linear Inequalities- Worksheet 4 **ANSWERS**

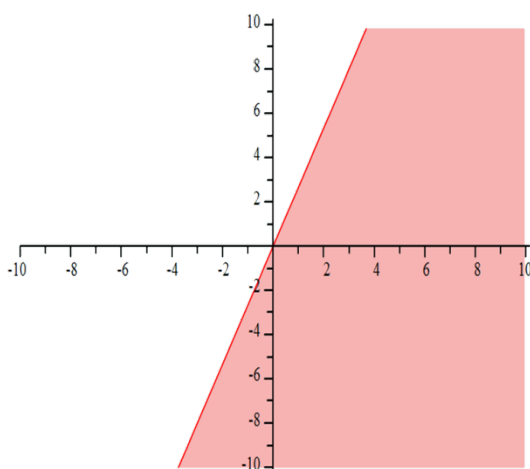
1.	$x \leq \frac{2}{13}$
2.	$y > \frac{5}{3}$
3.	$y < 4$
4.	$x \geq 12$
5.	$x > \frac{3}{2}$
6.	$y \leq \frac{2}{3}$
7.	
8.	



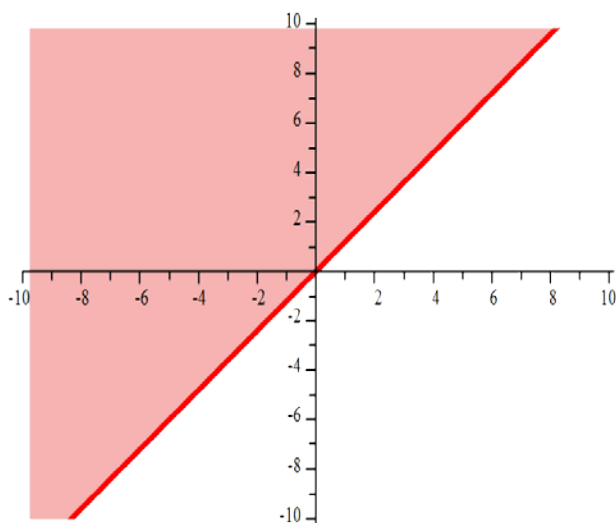
Name: _____

Date _____

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Name: _____

Date _____

Solving Linear Inequalities- Worksheet 5

Solve following linear inequalities

1. $4y \geq 9 + 3y$

2. $9x - 2 < 9$

3. $5x + 5 < 2x - 3$

4. $2y + 7 \leq 3y - 5$

5. $9y - 5 > 13$

6. $2x + 7 \leq 3x$

Solve and graph the solution set of following

7. $3y > 7 - 4x$

8. $4y \leq 8x - 9$

9. $8y - 3 \geq 5x + 3$

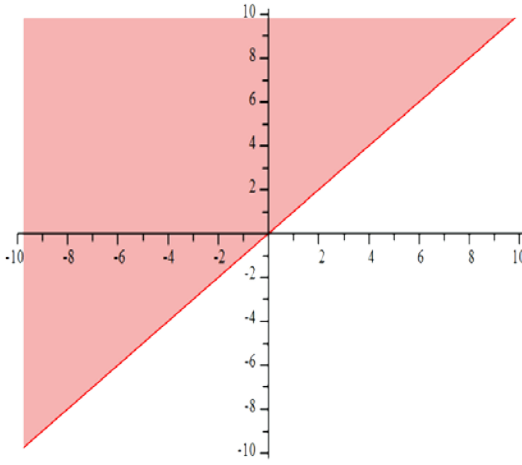
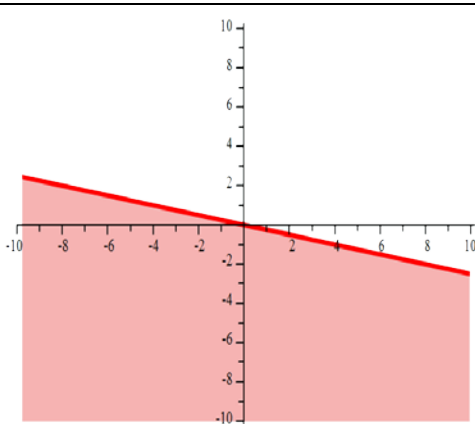
10. $5y < -10$



Name: _____

Date _____

Solving Linear Inequalities- Worksheet 5 **ANSWERS**

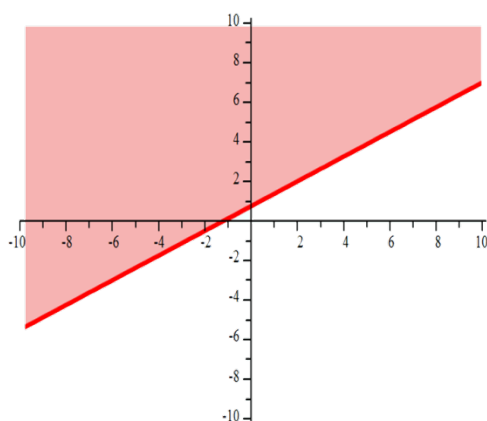
1.	$y \geq 9$
2.	$x < \frac{11}{9}$
3.	$x < -\frac{8}{3}$
4.	$y < 12$
5.	$y > 2$
6.	$x \leq 7$
7.	
8.	



Name: _____

Date _____

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