

Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic : Graphing Linear Systems - Worksheet 1

Solve the following system of equations graphically

1.  $y = 10 - 4x$   
 $y = -2$

2.  $y = 4x - 9$   
 $y = -1$

3.  $y = 2x + 3$   
 $y = 3$

4.  $y = 6x + 8$   
 $y = 2$

5.  $y = 6 - x$   
 $y = -4$

6.  $y = 2x + 4$   
 $y = 2$

Find the area by drawing given lines on graph paper

7.  $y = x + 5$   
 $y = 5$   
 $x = 2$   
 $y = -3$

8.  $y = 1/3x - 1$   
 $y = -2$   
 $y = 1$   
 $x = 9$

Prepare a graph and find where the lines intersect

9.

<b>x</b>	<b>-2</b>	<b>4</b>	<b>7</b>
<b>y</b>	<b>1</b>	<b>3</b>	<b>4</b>

<b>x</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>y</b>	<b>6</b>	<b>4</b>	<b>2</b>

10.

<b>x</b>	<b>0</b>	<b>4</b>	<b>9</b>
<b>y</b>	<b>-7</b>	<b>-3</b>	<b>2</b>

<b>x</b>	<b>6</b>	<b>4</b>	<b>3</b>
<b>y</b>	<b>-5</b>	<b>1</b>	<b>4</b>



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Topic : Graphing Linear Systems - Worksheet 2

Solve the following system of equations graphically

1.  $y = 4 - 2x$   
 $y = -1$

2.  $y = x - 6$   
 $y = 1$

3.  $y = 2x - 2$   
 $y = 4$

4.  $y = 3x + 6$   
 $y = 3$

5.  $y = 6 - x$   
 $y = -4$

6.  $y = 2x + 4$   
 $y = 2$

Find the area by drawing given lines on graph paper

7.  $y = x - 3$   
 $x = 7$   
 $y = -3$   
 $y = 3$

8.  $y = x + 2$   
 $y = -2$   
 $y = 4$   
 $x = -5$

Prepare a graph and find where the lines intersect

9.

<b>x</b>	<b>-2</b>	<b>2</b>	<b>4</b>
<b>y</b>	<b>0</b>	<b>-2</b>	<b>-3</b>

<b>x</b>	<b>-1</b>	<b>1</b>	<b>4</b>
<b>y</b>	<b>-1</b>	<b>1</b>	<b>4</b>

10.

<b>x</b>	<b>4</b>	<b>0</b>	<b>2</b>
<b>y</b>	<b>-3</b>	<b>1</b>	<b>3</b>

<b>x</b>	<b>-8</b>	<b>-7</b>	<b>-1</b>
<b>y</b>	<b>-3</b>	<b>-2</b>	<b>4</b>



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Topic : Graphing Linear Systems - Worksheet 3

Solve the following system of equations graphically

1.  $y = 3 - x$   
 $y = 3$

2.  $y = 2x - 6$   
 $y = 2$

3.  $y = 2x - 2$   
 $y = 4$

4.  $y = 2x + 4$   
 $y = 2$

5.  $y = 8 - 2x$   
 $y = -4$

6.  $y = 3x - 9$   
 $y = 8$

Find the area by drawing given lines on graph paper

7.  $y = x + 2$   
 $x = 8$   
 $y = -3$   
 $y = 4$

8.  $y = x + 4$   
 $y = -2$   
 $y = 3$   
 $x = -6$

Prepare a graph and find where the lines intersect

9.

<b>x</b>	<b>-4</b>	<b>-2</b>	<b>3</b>
<b>y</b>	<b>3</b>	<b>1</b>	<b>-4</b>

<b>x</b>	<b>-2</b>	<b>0</b>	<b>4</b>
<b>y</b>	<b>-4</b>	<b>-1</b>	<b>5</b>

10.

<b>x</b>	<b>2</b>	<b>4</b>	<b>6</b>
<b>y</b>	<b>-3</b>	<b>-1</b>	<b>1</b>

<b>x</b>	<b>4</b>	<b>6</b>	<b>7</b>
<b>y</b>	<b>1</b>	<b>-1</b>	<b>-2</b>



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Topic : Graphing Linear Systems - Worksheet 4

Solve the following system of equations graphically

1.  $y = 2 - x$   
 $y = 3$

2.  $y = 3x - 6$   
 $y = 2$

3.  $y = 3x - 3$   
 $y = 4$

4.  $y = x + 5$   
 $y = 2$

5.  $y = 4 - 2x$   
 $y = -4$

6.  $y = 3x - 9$   
 $y = 3$

Find the area by drawing given lines on graph paper

7.  $y = x + 2$   
 $x = 8$   
 $y = -3$   
 $y = 4$

8.  $y = x + 5$   
 $y = -2$   
 $y = -1$   
 $x = -6$

Prepare a graph and find where the lines intersect

9.

<b>x</b>	<b>3</b>	<b>4</b>	<b>-3</b>
<b>y</b>	<b>-2</b>	<b>-3</b>	<b>4</b>

<b>x</b>	<b>-4</b>	<b>0</b>	<b>2</b>
<b>y</b>	<b>2</b>	<b>6</b>	<b>8</b>

10.

<b>x</b>	<b>-3</b>	<b>-1</b>	<b>3</b>
<b>y</b>	<b>2</b>	<b>0</b>	<b>-4</b>

<b>x</b>	<b>-1</b>	<b>1</b>	<b>3</b>
<b>y</b>	<b>-6</b>	<b>-4</b>	<b>-2</b>



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Topic : Graphing Linear Systems - Worksheet 5

Solve the following system of equations graphically

1.  $y = 10 - 5x$   
 $y = 1$

2.  $y = 2x - 6$   
 $y = 4$

3.  $y = 3x - 3$   
 $y = 4$

4.  $y = 2x + 8$   
 $y = 4$

5.  $y = 9 - 3x$   
 $y = -8$

6.  $y = 4 - 2x$   
 $y = 5$

Find the area by drawing given lines on graph paper

7.  $y = x + 4$   
 $x = 6$   
 $y = -2$   
 $y = 7$

8.  $y = x + 6$   
 $y = -2$   
 $y = 6$   
 $x = -9$

Prepare a graph and find where the lines intersect

9.

<b>x</b>	<b>3</b>	<b>2</b>	<b>-3</b>
<b>y</b>	<b>-3</b>	<b>-2</b>	<b>3</b>

<b>x</b>	<b>0</b>	<b>-6</b>	<b>2</b>
<b>y</b>	<b>6</b>	<b>0</b>	<b>8</b>

10.

<b>x</b>	<b>-3</b>	<b>2</b>	<b>6</b>
<b>y</b>	<b>3</b>	<b>-2</b>	<b>-6</b>

<b>x</b>	<b>-6</b>	<b>2</b>	<b>4</b>
<b>y</b>	<b>-10</b>	<b>-2</b>	<b>0</b>

