Algebra 1

Name_____

Assignment

Date_____ Period_____

**Solve each system by graphing.**

1)  $y = -3x + 2$
    $y = x - 2$

2)  $y = -\dfrac{1}{4}x + 2$

    $y = \dfrac{3}{4}x - 2$

3)  $y = \dfrac{3}{2}x + 1$

    $y = \dfrac{3}{2}x - 2$

4)  $y = -3x + 4$
    $y = -3x - 1$

5)  $y = 3x + 4$
    $y = -2x - 1$

6)  $y = -3x - 4$

    $y = \dfrac{1}{2}x + 3$

7)  $y = -5x - 2$
    $y = x + 4$

8)  $y = \dfrac{1}{2}x + 2$

    $y = 3x - 3$

9)  $y = -\dfrac{1}{3}x + 2$

    $y = -\dfrac{5}{3}x - 2$

10)  $y = x - 4$

    $y = -\dfrac{4}{3}x + 3$

11)  $y = -\dfrac{1}{3}x - 1$

    $y = -\dfrac{1}{3}x + 4$

12)  $y = \dfrac{8}{3}x - 4$

    $y = -\dfrac{1}{3}x + 3$

13)  $y = \dfrac{2}{3}x - 4$

    $y = -\dfrac{5}{3}x + 3$

14)  $y = \dfrac{4}{3}x - 3$

    $y = -\dfrac{1}{3}x + 2$

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**Solve each system by graphing.**

1) $y = -3x + 2$
   $y = x - 2$

   (1, −1)

2) $y = -\dfrac{1}{4}x + 2$

   $y = \dfrac{3}{4}x - 2$

   (4, 1)

3) $y = \dfrac{3}{2}x + 1$

   $y = \dfrac{3}{2}x - 2$

   No solution

4) $y = -3x + 4$
   $y = -3x - 1$

   No solution

5) $y = 3x + 4$
   $y = -2x - 1$

   (−1, 1)

6) $y = -3x - 4$

   $y = \dfrac{1}{2}x + 3$

   (−2, 2)

7) $y = -5x - 2$
   $y = x + 4$

   (−1, 3)

8) $y = \dfrac{1}{2}x + 2$

   $y = 3x - 3$

   (2, 3)

9) $y = -\dfrac{1}{3}x + 2$

   $y = -\dfrac{5}{3}x - 2$

   (−3, 3)

10) $y = x - 4$

   $y = -\dfrac{4}{3}x + 3$

   (3, −1)

11) $y = -\dfrac{1}{3}x - 1$

   $y = -\dfrac{1}{3}x + 4$

   No solution

12) $y = \dfrac{8}{3}x - 4$

   $y = \dfrac{1}{3}x + 3$

   (3, 4)

13) $y = \dfrac{2}{3}x - 4$

   $y = -\dfrac{5}{3}x + 3$

   (3, −2)

14) $y = \dfrac{4}{3}x - 3$

   $y = -\dfrac{1}{3}x + 2$

   (3, 1)

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**Solve each system by graphing.**

1)  $y = -x + 2$
    $y = -6x - 3$

2)  $y = -x + 4$
    $y = 6x - 3$

3)  $y = -x - 2$
    $y = -6x + 3$

4)  $y = \frac{3}{2}x - 1$

    $y = \frac{1}{2}x - 3$

5)  $y = -x - 1$
    $y = -x - 4$

6)  $y = -\frac{2}{3}x - 2$

    $y = -\frac{8}{3}x + 4$

7)  $y = \frac{2}{3}x - 1$

    $y = -\frac{1}{3}x - 4$

8)  $y = 3x + 4$
    $y = -5x - 4$

9)  $y = -\frac{1}{3}x + 1$

    $y = \frac{2}{3}x + 4$

10)  $y = -\frac{5}{4}x + 4$

    $y = \frac{3}{4}x - 4$

11)  $y = \frac{1}{3}x + 1$

    $y = \frac{5}{3}x - 3$

12)  $y = -\frac{1}{2}x - 3$

    $y = -\frac{1}{2}x - 1$

13)  $y = -\frac{5}{3}x + 3$

    $y = \frac{1}{3}x - 3$

14)  $y = \frac{4}{3}x + 2$

    $y = \frac{1}{3}x - 1$

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**Solve each system by graphing.**

1) $y = -x + 2$
   $y = -6x - 3$

   (−1, 3)

2) $y = -x + 4$
   $y = 6x - 3$

   (1, 3)

3) $y = -x - 2$
   $y = -6x + 3$

   (1, −3)

4) $y = \dfrac{3}{2}x - 1$

   $y = \dfrac{1}{2}x - 3$

   (−2, −4)

5) $y = -x - 1$
   $y = -x - 4$

   No solution

6) $y = -\dfrac{2}{3}x - 2$

   $y = -\dfrac{8}{3}x + 4$

   (3, −4)

7) $y = \dfrac{2}{3}x - 1$

   $y = -\dfrac{1}{3}x - 4$

   (−3, −3)

8) $y = 3x + 4$
   $y = -5x - 4$

   (−1, 1)

9) $y = -\dfrac{1}{3}x + 1$

   $y = \dfrac{2}{3}x + 4$

   (−3, 2)

10) $y = -\dfrac{5}{4}x + 4$

    $y = \dfrac{3}{4}x - 4$

    (4, −1)

11) $y = \dfrac{1}{3}x + 1$

    $y = \dfrac{5}{3}x - 3$

    (3, 2)

12) $y = -\dfrac{1}{2}x - 3$

    $y = -\dfrac{1}{2}x - 1$

    No solution

13) $y = -\dfrac{5}{3}x + 3$

    $y = \dfrac{1}{3}x - 3$

    (3, −2)

14) $y = \dfrac{4}{3}x + 2$

    $y = \dfrac{1}{3}x - 1$

    (−3, −2)

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**Solve each system by graphing.**

1)  $y = \dfrac{4}{3}x + 2$

    $y = -\dfrac{1}{3}x - 3$

2)  $y = \dfrac{1}{4}x + 3$

    $x = -4$

3)  $y = -6x + 4$
    $y = -6x - 4$

4)  $y = 2x - 1$
    $y = -x + 2$

5)  $y = -3$

    $y = \dfrac{4}{3}x + 1$

6)  $y = -\dfrac{1}{2}x - 1$

    $y = -\dfrac{3}{2}x + 3$

7)  $y = \dfrac{1}{3}x + 4$

    $y = -\dfrac{7}{3}x - 4$

8)  $y = -\dfrac{1}{3}x - 1$

    $y = -\dfrac{4}{3}x + 2$

9)  $y = 2x + 3$
    $y = -2x - 1$

10)  $y = -\dfrac{1}{2}x - 3$

    $y = 3x + 4$

11)  $y = -3x - 3$

    $y = \dfrac{1}{2}x + 4$

12)  $y = -\dfrac{3}{2}x - 4$

    $y = \dfrac{1}{4}x + 3$

13)  $y = -\dfrac{5}{2}x - 1$

    $y = -\dfrac{1}{2}x + 3$

14)  $y = -2x + 2$

    $y = \dfrac{1}{2}x - 3$

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**Solve each system by graphing.**

1)  $y = \dfrac{4}{3}x + 2$

$y = -\dfrac{1}{3}x - 3$

   $(-3, -2)$

2)  $y = \dfrac{1}{4}x + 3$

$x = -4$

   $(-4, 2)$

3)  $y = -6x + 4$
$y = -6x - 4$

   No solution

4)  $y = 2x - 1$
$y = -x + 2$

   $(1, 1)$

5)  $y = -3$

$y = \dfrac{4}{3}x + 1$

   $(-3, -3)$

6)  $y = -\dfrac{1}{2}x - 1$

$y = -\dfrac{3}{2}x + 3$

   $(4, -3)$

7)  $y = \dfrac{1}{3}x + 4$

$y = -\dfrac{7}{3}x - 4$

   $(-3, 3)$

8)  $y = -\dfrac{1}{3}x - 1$

$y = -\dfrac{4}{3}x + 2$

   $(3, -2)$

9)  $y = 2x + 3$
$y = -2x - 1$

   $(-1, 1)$

10)  $y = -\dfrac{1}{2}x - 3$

$y = 3x + 4$

   $(-2, -2)$

11)  $y = -3x - 3$

$y = \dfrac{1}{2}x + 4$

   $(-2, 3)$

12)  $y = -\dfrac{3}{2}x - 4$

$y = \dfrac{1}{4}x + 3$

   $(-4, 2)$

13)  $y = -\dfrac{5}{2}x - 1$

$y = -\dfrac{1}{2}x + 3$

   $(-2, 4)$

14)  $y = -2x + 2$

$y = \dfrac{1}{2}x - 3$

   $(2, -2)$

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## Assignment

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**Solve each system by graphing.**

1) $y = x - 1$
   $y = x + 3$

2) $y = \dfrac{1}{4}x + 4$
   $y = -x - 1$

3) $y = 2x + 1$
   $y = -3$

4) $y = -\dfrac{5}{4}x - 2$
   $y = \dfrac{1}{4}x + 4$

5) $y = -6x + 3$
   $y = x - 4$

6) $y = -\dfrac{2}{3}x + 2$
   $y = -\dfrac{2}{3}x - 3$

7) $y = 4x + 4$
   $y = \dfrac{1}{2}x - 3$

8) $y = \dfrac{1}{2}x - 1$
   $y = 3x + 4$

9) $y = 5x - 2$
   $y = x + 2$

10) $y = \dfrac{1}{3}x - 4$
    $y = -\dfrac{7}{3}x + 4$

11) $y = \dfrac{7}{2}x - 4$
    $y = \dfrac{1}{2}x + 2$

12) $y = -\dfrac{2}{3}x - 1$
    $x = 3$

13) $y = -\dfrac{1}{2}x + 1$
    $y = -\dfrac{1}{2}x + 2$

14) $y = -\dfrac{1}{2}x + 3$
    $y = -\dfrac{1}{2}x - 1$

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**Solve each system by graphing.**

1)  $y = x - 1$
    $y = x + 3$

   No solution

2)  $y = \dfrac{1}{4}x + 4$

    $y = -x - 1$

    $(-4, 3)$

3)  $y = 2x + 1$
    $y = -3$

   $(-2, -3)$

4)  $y = -\dfrac{5}{4}x - 2$

    $y = \dfrac{1}{4}x + 4$

    $(-4, 3)$

5)  $y = -6x + 3$
    $y = x - 4$

   $(1, -3)$

6)  $y = -\dfrac{2}{3}x + 2$

    $y = -\dfrac{2}{3}x - 3$

    No solution

7)  $y = 4x + 4$
    $y = \dfrac{1}{2}x - 3$

   $(-2, -4)$

8)  $y = \dfrac{1}{2}x - 1$

    $y = 3x + 4$

    $(-2, -2)$

9)  $y = 5x - 2$
    $y = x + 2$

   $(1, 3)$

10)  $y = \dfrac{1}{3}x - 4$

     $y = -\dfrac{7}{3}x + 4$

     $(3, -3)$

11)  $y = \dfrac{7}{2}x - 4$

     $y = \dfrac{1}{2}x + 2$

     $(2, 3)$

12)  $y = -\dfrac{2}{3}x - 1$

     $x = 3$

     $(3, -3)$

13)  $y = -\dfrac{1}{2}x + 1$

     $y = -\dfrac{1}{2}x + 2$

     No solution

14)  $y = \dfrac{1}{2}x + 3$

     $y = -\dfrac{1}{2}x - 1$

     $(-4, 1)$

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**Solve each system by graphing.**

1)  $y = -\dfrac{3}{2}x + 2$

   $y = -4$

2)  $y = -\dfrac{1}{2}x + 2$

   $y = -2x - 4$

3)  $y = -\dfrac{7}{2}x + 3$

   $y = -\dfrac{1}{2}x - 3$

4)  $y = 8x - 4$

   $y = 8x + 3$

5)  $y = -4x - 4$

   $y = -x + 2$

6)  $y = -2x + 3$

   $y = \dfrac{3}{2}x - 4$

7)  $y = -\dfrac{1}{2}x - 2$

   $y = -2x + 4$

8)  $y = \dfrac{1}{3}x + 1$

   $y = \dfrac{5}{3}x - 3$

9)  $y = -4x - 2$

   $y = x + 3$

10)  $y = -\dfrac{1}{2}x - 2$

   $y = \dfrac{1}{2}x - 4$

11)  $y = -3x + 2$

   $y = x - 2$

12)  $y = x + 1$

   $y = x + 2$

13)  $y = -\dfrac{1}{4}x + 1$

   $y = -x - 2$

14)  $y = -\dfrac{1}{3}x - 3$

   $y = -\dfrac{8}{3}x + 4$

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**Solve each system by graphing.**

1) $y = -\dfrac{3}{2}x + 2$
   $y = -4$
   (4, −4)

2) $y = -\dfrac{1}{2}x + 2$
   $y = -2x - 4$
   (−4, 4)

3) $y = -\dfrac{7}{2}x + 3$
   $y = -\dfrac{1}{2}x - 3$
   (2, −4)

4) $y = 8x - 4$
   $y = 8x + 3$
   No solution

5) $y = -4x - 4$
   $y = -x + 2$
   (−2, 4)

6) $y = -2x + 3$
   $y = \dfrac{3}{2}x - 4$
   (2, −1)

7) $y = -\dfrac{1}{2}x - 2$
   $y = -2x + 4$
   (4, −4)

8) $y = \dfrac{1}{3}x + 1$
   $y = \dfrac{5}{3}x - 3$
   (3, 2)

9) $y = -4x - 2$
   $y = x + 3$
   (−1, 2)

10) $y = -\dfrac{1}{2}x - 2$
    $y = \dfrac{1}{2}x - 4$
    (2, −3)

11) $y = -3x + 2$
    $y = x - 2$
    (1, −1)

12) $y = x + 1$
    $y = x + 2$
    No solution

13) $y = -\dfrac{1}{4}x + 1$
    $y = -x - 2$
    (−4, 2)

14) $y = -\dfrac{1}{3}x - 3$
    $y = -\dfrac{8}{3}x + 4$
    (3, −4)

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**Solve each system by graphing.**

1) $y = 7x + 4$
$\quad y = -x - 4$

2) $y = \dfrac{1}{3}x + 3$

$\quad y = -\dfrac{4}{3}x - 2$

3) $y = -\dfrac{3}{4}x + 4$

$\quad y = \dfrac{5}{4}x - 4$

4) $y = 2x - 2$

$\quad y = \dfrac{1}{2}x + 1$

5) $y = \dfrac{4}{3}x - 3$

$\quad y = -\dfrac{1}{3}x + 2$

6) $y = \dfrac{1}{2}x + 2$

$\quad y = 2x - 1$

7) $y = \dfrac{1}{2}x - 3$

$\quad y = \dfrac{5}{2}x + 1$

8) $y = 5x - 4$
$\quad y = -2x + 3$

9) $y = -\dfrac{5}{3}x + 2$

$\quad y = \dfrac{1}{3}x - 4$

10) $y = -2x - 1$

$\quad y = \dfrac{1}{2}x + 4$

11) $y = -\dfrac{5}{2}x + 2$

$\quad y = \dfrac{1}{2}x - 4$

12) $y = \dfrac{1}{3}x + 3$

$\quad y = -2x - 4$

13) $y = -x - 3$
$\quad y = -6x + 2$

14) $y = \dfrac{7}{3}x + 3$

$\quad y = \dfrac{2}{3}x - 2$

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**Solve each system by graphing.**

1)  $y = 7x + 4$
    $y = -x - 4$
    $(-1, -3)$

2)  $y = \frac{1}{3}x + 3$

    $y = -\frac{4}{3}x - 2$

    $(-3, 2)$

3)  $y = -\frac{3}{4}x + 4$

    $y = \frac{5}{4}x - 4$

    $(4, 1)$

4)  $y = 2x - 2$

    $y = \frac{1}{2}x + 1$

    $(2, 2)$

5)  $y = \frac{4}{3}x - 3$

    $y = -\frac{1}{3}x + 2$

    $(3, 1)$

6)  $y = \frac{1}{2}x + 2$

    $y = 2x - 1$

    $(2, 3)$

7)  $y = \frac{1}{2}x - 3$

    $y = \frac{5}{2}x + 1$

    $(-2, -4)$

8)  $y = 5x - 4$
    $y = -2x + 3$
    $(1, 1)$

9)  $y = -\frac{5}{3}x + 2$

    $y = \frac{1}{3}x - 4$

    $(3, -3)$

10)  $y = -2x - 1$

    $y = \frac{1}{2}x + 4$

    $(-2, 3)$

11)  $y = -\frac{5}{2}x + 2$

    $y = \frac{1}{2}x - 4$

    $(2, -3)$

12)  $y = \frac{1}{3}x + 3$

    $y = -2x - 4$
    $(-3, 2)$

13)  $y = -x - 3$
     $y = -6x + 2$
     $(1, -4)$

14)  $y = \frac{7}{3}x + 3$

    $y = \frac{2}{3}x - 2$

    $(-3, -4)$

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**Solve each system by graphing.**

1) $y = \dfrac{3}{2}x + 4$
   $y = -2x - 3$

2) $y = \dfrac{1}{2}x - 2$
   $y = -x + 1$

3) $y = -x - 3$
   $y = \dfrac{3}{4}x + 4$

4) $y = -3x - 2$
   $y = -\dfrac{1}{2}x + 3$

5) $y = -x + 3$
   $y = 4x - 2$

6) $y = \dfrac{1}{2}x + 3$
   $y = \dfrac{3}{2}x + 1$

7) $y = 2x - 4$
   $y = 2x + 3$

8) $y = -x + 3$
   $y = 3x - 1$

9) $y = \dfrac{5}{4}x - 2$
   $y = \dfrac{5}{4}x + 2$

10) $y = -\dfrac{1}{3}x - 3$
    $y = \dfrac{5}{3}x + 3$

11) $y = \dfrac{4}{3}x + 2$
    $y = \dfrac{4}{3}x + 3$

12) $y = -\dfrac{3}{4}x + 1$
    $y = \dfrac{1}{2}x - 4$

13) $y = \dfrac{5}{2}x + 1$
    $y = \dfrac{5}{2}x - 1$

14) $y = -x - 2$
    $y = -5x + 2$

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**Solve each system by graphing.**

1) $y = \dfrac{3}{2}x + 4$

   $y = -2x - 3$

   <span style="color:red">(−2, 1)</span>

2) $y = \dfrac{1}{2}x - 2$

    $y = -x + 1$

    <span style="color:red">(2, −1)</span>

3) $y = -x - 3$

   $y = \dfrac{3}{4}x + 4$

   <span style="color:red">(−4, 1)</span>

4) $y = -3x - 2$

    $y = -\dfrac{1}{2}x + 3$

    <span style="color:red">(−2, 4)</span>

5) $y = -x + 3$

   $y = 4x - 2$

   <span style="color:red">(1, 2)</span>

6) $y = \dfrac{1}{2}x + 3$

    $y = \dfrac{3}{2}x + 1$

    <span style="color:red">(2, 4)</span>

7) $y = 2x - 4$

   $y = 2x + 3$

   <span style="color:red">No solution</span>

8) $y = -x + 3$

    $y = 3x - 1$

    <span style="color:red">(1, 2)</span>

9) $y = \dfrac{5}{4}x - 2$

   $y = \dfrac{5}{4}x + 2$

   <span style="color:red">No solution</span>

10) $y = -\dfrac{1}{3}x - 3$

    $y = \dfrac{5}{3}x + 3$

    <span style="color:red">(−3, −2)</span>

11) $y = \dfrac{4}{3}x + 2$

   $y = \dfrac{4}{3}x + 3$

   <span style="color:red">No solution</span>

12) $y = -\dfrac{3}{4}x + 1$

    $y = \dfrac{1}{2}x - 4$

    <span style="color:red">(4, −2)</span>

13) $y = \dfrac{5}{2}x + 1$

   $y = \dfrac{5}{2}x - 1$

   <span style="color:red">No solution</span>

14) $y = -x - 2$

    $y = -5x + 2$

    <span style="color:red">(1, −3)</span>

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**Solve each system by graphing.**

1) $y = -6x + 3$
    $y = -x - 2$

2) $y = \dfrac{4}{3}x - 2$

    $y = \dfrac{4}{3}x + 1$

3) $y = -3x - 4$
    $y = -\dfrac{1}{2}x + 1$

4) $y = -x - 1$
    $y = -\dfrac{1}{4}x + 2$

5) $y = x + 3$
    $y = -\dfrac{1}{2}x - 3$

6) $y = \dfrac{1}{2}x + 2$

    $y = -\dfrac{5}{2}x - 4$

7) $y = 2x + 2$
    $y = \dfrac{1}{2}x - 1$

8) $y = -\dfrac{1}{3}x + 3$

    $y = -\dfrac{1}{3}x + 2$

9) $y = 3x - 2$
    $y = \dfrac{1}{2}x + 3$

10) $y = -\dfrac{2}{3}x + 3$

    $y = \dfrac{2}{3}x - 1$

11) $y = 3x + 3$
     $y = -\dfrac{1}{2}x - 4$

12) $y = \dfrac{1}{2}x - 4$

     $y = -x + 2$

13) $y = -x - 1$
     $y = \dfrac{3}{2}x + 4$

14) $y = 4x + 3$
     $y = -3x - 4$

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## Assignment

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**Solve each system by graphing.**

1)  $y = -6x + 3$
    $y = -x - 2$

   (1, −3)

2)  $y = \dfrac{4}{3}x - 2$

    $y = \dfrac{4}{3}x + 1$

   No solution

3)  $y = -3x - 4$

    $y = -\dfrac{1}{2}x + 1$

   (−2, 2)

4)  $y = -x - 1$

    $y = -\dfrac{1}{4}x + 2$

   (−4, 3)

5)  $y = x + 3$

    $y = -\dfrac{1}{2}x - 3$

   (−4, −1)

6)  $y = \dfrac{1}{2}x + 2$

    $y = -\dfrac{5}{2}x - 4$

   (−2, 1)

7)  $y = 2x + 2$

    $y = \dfrac{1}{2}x - 1$

   (−2, −2)

8)  $y = -\dfrac{1}{3}x + 3$

    $y = -\dfrac{1}{3}x + 2$

   No solution

9)  $y = 3x - 2$

    $y = \dfrac{1}{2}x + 3$

   (2, 4)

10)  $y = -\dfrac{2}{3}x + 3$

    $y = \dfrac{2}{3}x - 1$

   (3, 1)

11)  $y = 3x + 3$

    $y = -\dfrac{1}{2}x - 4$

   (−2, −3)

12)  $y = \dfrac{1}{2}x - 4$

    $y = -x + 2$

   (4, −2)

13)  $y = -x - 1$

    $y = \dfrac{3}{2}x + 4$

   (−2, 1)

14)  $y = 4x + 3$
     $y = -3x - 4$

   (−1, −1)

Algebra 1                                                    Name_____

## Assignment

Date_____ Period_____

**Solve each system by graphing.**

1) $y = -\dfrac{5}{3}x + 3$

   $y = \dfrac{2}{3}x - 4$

2) $y = \dfrac{3}{2}x + 4$

   $y = \dfrac{1}{2}x + 2$

3) $y = 3x + 1$
   $y = -x - 3$

4) $y = x + 4$
   $y = -5x - 2$

5) $y = -\dfrac{3}{2}x + 4$

   $y = x - 1$

6) $y = \dfrac{7}{3}x + 3$

   $y = \dfrac{1}{3}x - 3$

7) $y = -\dfrac{1}{2}x + 1$

   $y = -\dfrac{1}{2}x - 1$

8) $y = -6x + 4$
   $y = x - 3$

9) $y = \dfrac{5}{4}x + 1$

   $y = \dfrac{5}{4}x - 1$

10) $y = x + 2$

    $y = -\dfrac{2}{3}x - 3$

11) $y = -3x + 3$

    $y = -\dfrac{1}{2}x - 2$

12) $y = \dfrac{1}{4}x + 2$

    $y = -\dfrac{3}{4}x - 2$

13) $y = -\dfrac{1}{3}x + 2$

    $y = \dfrac{2}{3}x - 1$

14) $y = x - 1$

    $y = -\dfrac{1}{4}x + 4$

Algebra 1                                           Name_____

# Assignment

Date_____ Period_____

**Solve each system by graphing.**

1) $y = -\dfrac{5}{3}x + 3$

   $y = \dfrac{2}{3}x - 4$

   (3, −2)

2) $y = \dfrac{3}{2}x + 4$

   $y = \dfrac{1}{2}x + 2$

   (−2, 1)

3) $y = 3x + 1$
   $y = -x - 3$

   (−1, −2)

4) $y = x + 4$
   $y = -5x - 2$

   (−1, 3)

5) $y = -\dfrac{3}{2}x + 4$

   $y = x - 1$

   (2, 1)

6) $y = \dfrac{7}{3}x + 3$

   $y = \dfrac{1}{3}x - 3$

   (−3, −4)

8) $y = -6x + 4$
   $y = x - 3$

   (1, −2)

7) $y = -\dfrac{1}{2}x + 1$

   $y = -\dfrac{1}{2}x - 1$

   No solution

9) $y = \dfrac{5}{4}x + 1$

   $y = \dfrac{5}{4}x - 1$

   No solution

10) $y = x + 2$

    $y = -\dfrac{2}{3}x - 3$

    (−3, −1)

11) $y = -3x + 3$

    $y = -\dfrac{1}{2}x - 2$

    (2, −3)

12) $y = \dfrac{1}{4}x + 2$

    $y = -\dfrac{3}{4}x - 2$

    (−4, 1)

13) $y = -\dfrac{1}{3}x + 2$

    $y = \dfrac{2}{3}x - 1$

    (3, 1)

14) $y = x - 1$

    $y = -\dfrac{1}{4}x + 4$

    (4, 3)

Algebra 1                                             Name_____

Assignment                                    Date_____ Period____

**Solve each system by graphing.**

1) $y = -2x - 4$
   $y = -\dfrac{1}{4}x + 3$

2) $y = \dfrac{7}{2}x - 4$
   $y = -\dfrac{1}{2}x + 4$

3) $y = -\dfrac{1}{3}x + 3$
   $y = -\dfrac{5}{3}x - 1$

4) $y = \dfrac{5}{2}x - 4$
   $y = -x + 3$

5) $y = \dfrac{3}{4}x - 2$
   $y = -\dfrac{1}{4}x + 2$

6) $y = -\dfrac{1}{2}x + 2$
   $y = -\dfrac{7}{2}x - 4$

7) $y = -\dfrac{5}{2}x - 3$
   $y = -\dfrac{1}{2}x + 1$

8) $y = 3$
   $y = 2x - 1$

9) $y = \dfrac{1}{3}x + 1$
   $y = \dfrac{4}{3}x - 2$

10) $y = -1$
    $y = -2x - 3$

11) $y = -x - 1$
    $y = \dfrac{1}{4}x + 4$

12) $y = x + 3$
    $x = -2$

13) $y = \dfrac{8}{3}x + 4$
    $y = \dfrac{2}{3}x - 2$

14) $y = -\dfrac{4}{3}x + 3$
    $y = \dfrac{2}{3}x - 3$

Algebra 1                                Name_____

## Assignment

Date_____ Period_____

**Solve each system by graphing.**

1) $y = -2x - 4$

   $y = -\dfrac{1}{4}x + 3$

   $(-4, 4)$

2) $y = \dfrac{7}{2}x - 4$

   $y = -\dfrac{1}{2}x + 4$

   $(2, 3)$

3) $y = -\dfrac{1}{3}x + 3$

   $y = -\dfrac{5}{3}x - 1$

   $(-3, 4)$

4) $y = \dfrac{5}{2}x - 4$

   $y = -x + 3$

   $(2, 1)$

5) $y = \dfrac{3}{4}x - 2$

   $y = -\dfrac{1}{4}x + 2$

   $(4, 1)$

6) $y = -\dfrac{1}{2}x + 2$

   $y = -\dfrac{7}{2}x - 4$

   $(-2, 3)$

7) $y = -\dfrac{5}{2}x - 3$

   $y = -\dfrac{1}{2}x + 1$

   $(-2, 2)$

8) $y = 3$

   $y = 2x - 1$

   $(2, 3)$

9) $y = \dfrac{1}{3}x + 1$

   $y = \dfrac{4}{3}x - 2$

   $(3, 2)$

10) $y = -1$

   $y = -2x - 3$

   $(-1, -1)$

11) $y = -x - 1$

   $y = \dfrac{1}{4}x + 4$

   $(-4, 3)$

12) $y = x + 3$

   $x = -2$

   $(-2, 1)$

13) $y = \dfrac{8}{3}x + 4$

   $y = \dfrac{2}{3}x - 2$

   $(-3, -4)$

14) $y = -\dfrac{4}{3}x + 3$

   $y = \dfrac{2}{3}x - 3$

   $(3, -1)$