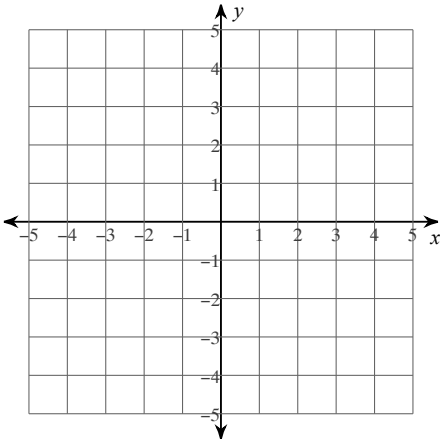
Algebra 1 Name_____ ID: 1

Assignment

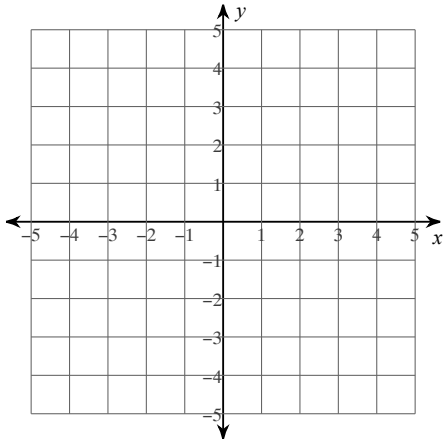
Date_____ Period____

Solve each system by graphing.

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

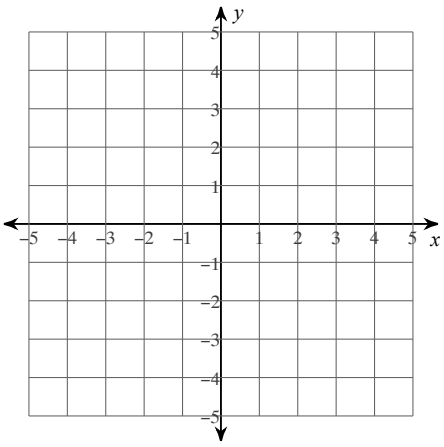


2) $y = -5x + 1$
$y = -x - 3$



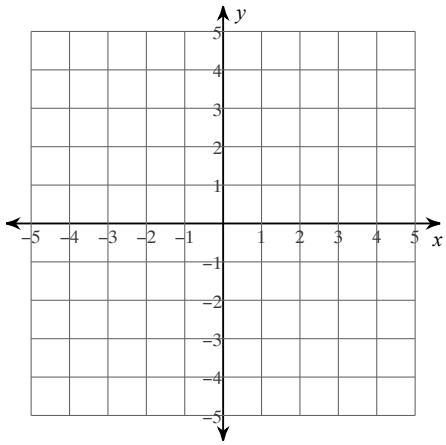
3) $y = 3x - 1$

$y = -x + 3$

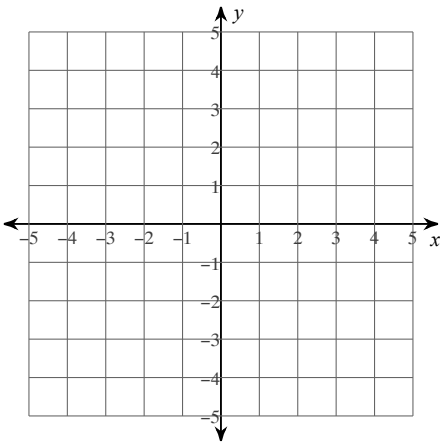


4) $y = \frac{1}{4}x - 3$

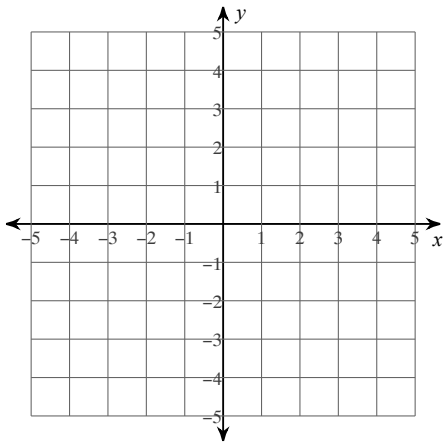
$y = -\frac{5}{4}x + 3$



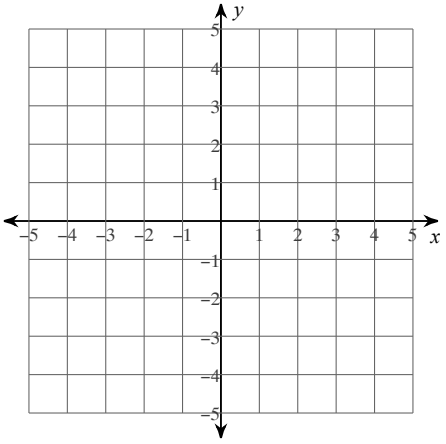
5) $y = 2x + 1$
$y = -2x - 3$



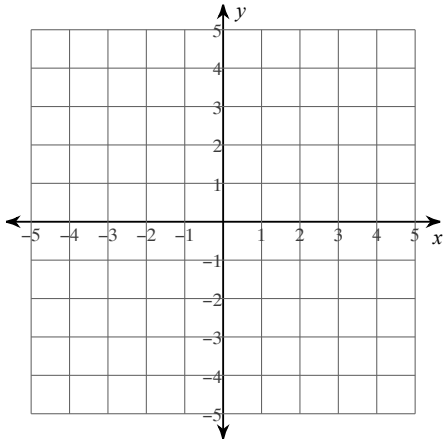
6) $y = x - 2$
$y = -2x + 1$



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

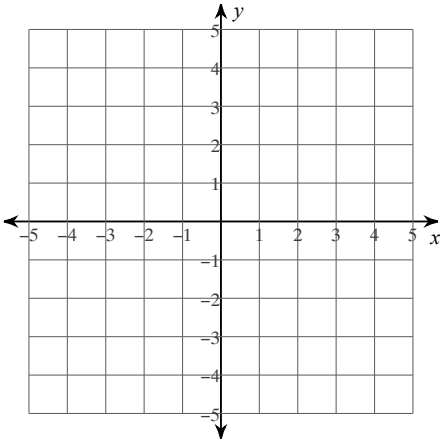


8) $y = 5x + 4$
$y = -3x - 4$



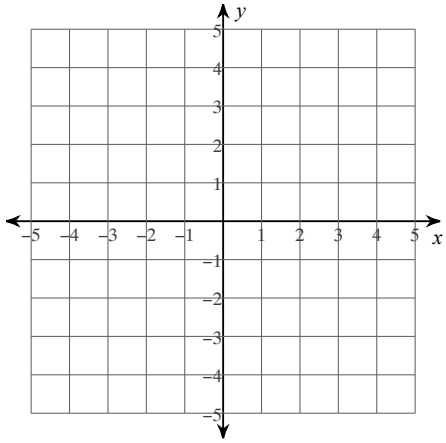
9) $y = \frac{3}{2}x + 2$

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



10) $y = 3x - 3$

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



Solve each system by substitution.

11) $-x - y = 3$

$y = -5x - 3$

12) $y = -3x + 2$

$-x - 5y = 4$

13) $y = 7$
$-6x + 2y = -10$

14) $y = 3x - 10$
$9x - 3y = 30$

15) $4x + 3y = 11$
$y = -5x$

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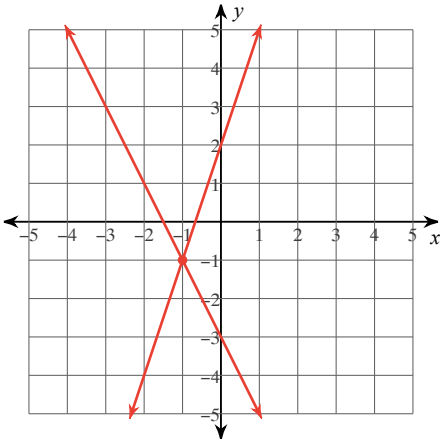
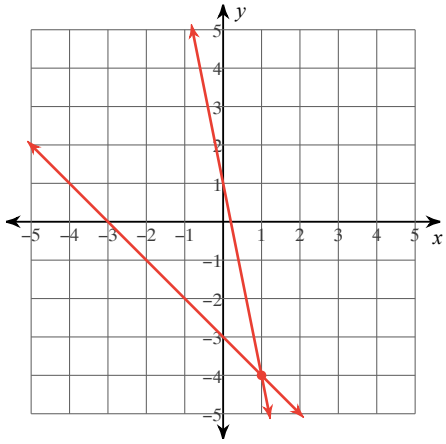


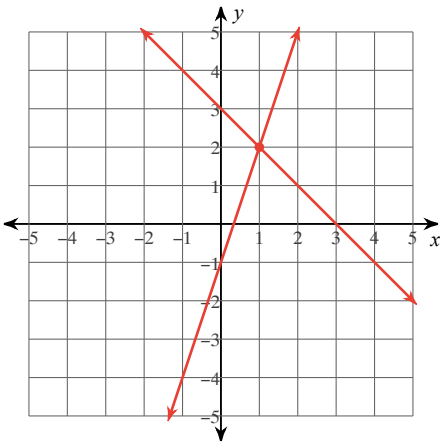
$(-1, -1)$

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



$(1, -4)$

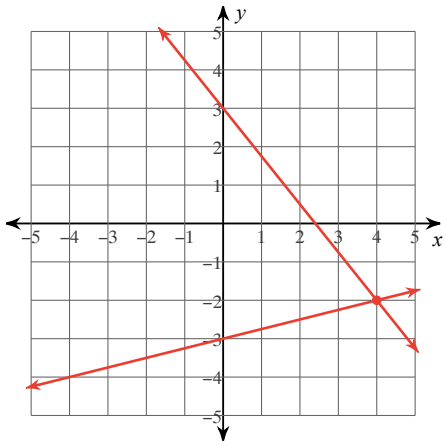
3) $y = 3x - 1$
$y = -x + 3$



(1, 2)

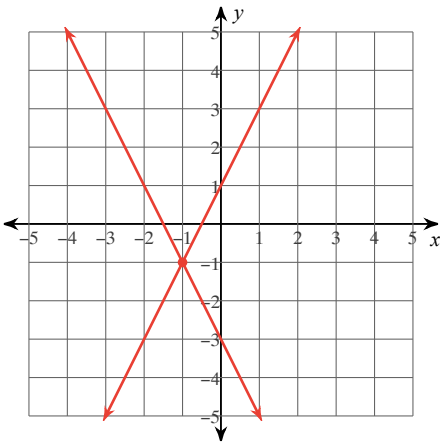
4) $y = \frac{1}{4}x - 3$

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



(4, −2)

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



$(-1, -1)$

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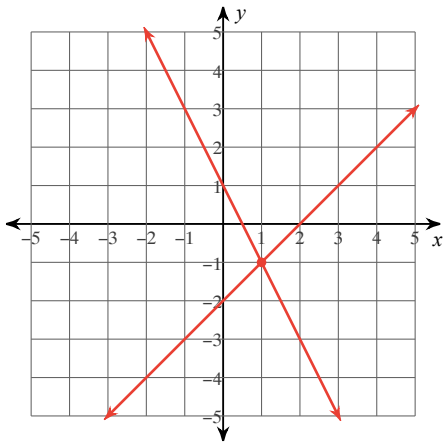
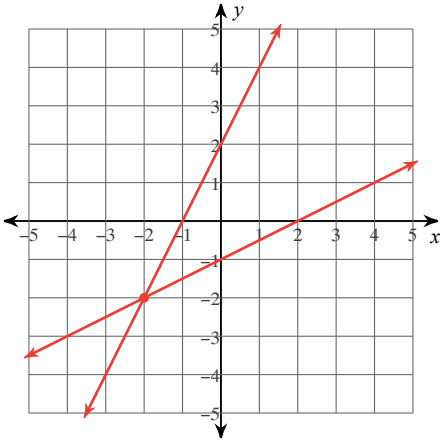


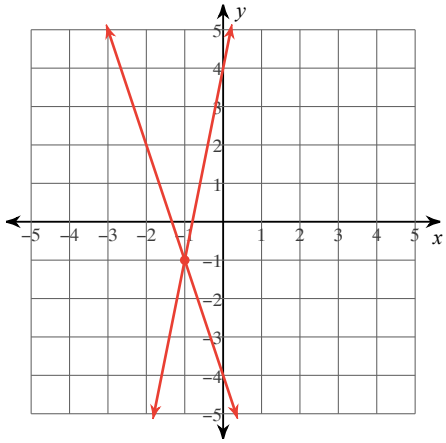
$(1, -1)$

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



$(-2, -2)$

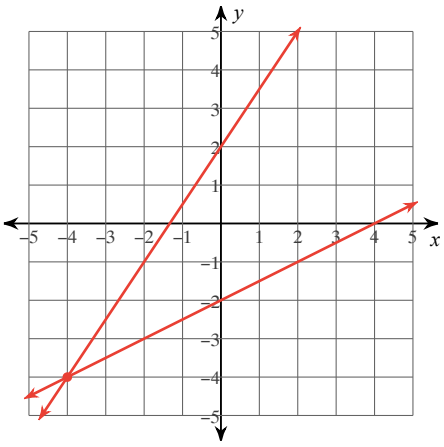
8) $y = 5x + 4$
$y = -3x - 4$



$(-1, -1)$

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

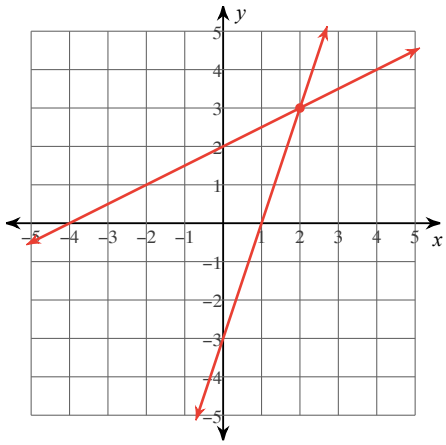
$y = \frac{1}{2}x - 2$



$(-4, -4)$

10) $y = 3x - 3$

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



$(2, 3)$

Solve each system by substitution.

11) $-x - y = 3$

$y = -5x - 3$

$(0, -3)$

12) $y = -3x + 2$

$-x - 5y = 4$

$(1, -1)$

13) $y = 7$
$-6x + 2y = -10$

$(4, 7)$

14) $y = 3x - 10$
$9x - 3y = 30$

Infinite number of solutions

15) $4x + 3y = 11$
$y = -5x$

$(-1, 5)$