Algebra 1 - Mr. Allen-Black Name_____

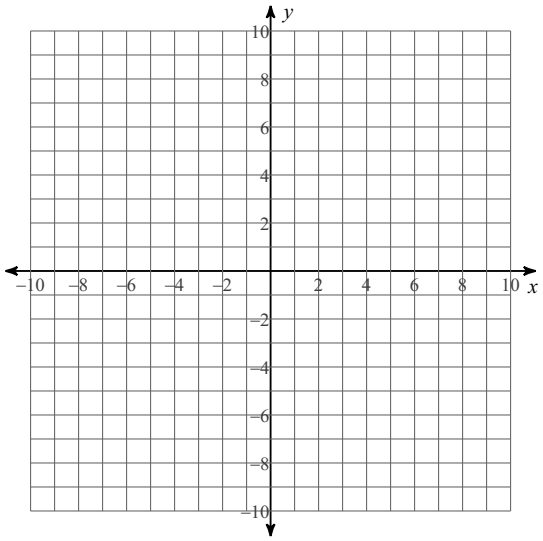
Solving Systems of Equations By Graphing

Date_____ Period____

Solve each system by graphing.

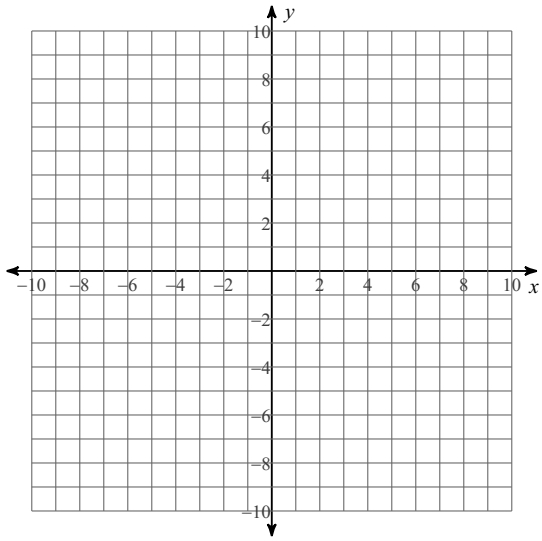
1) $y = \frac{1}{3}x + 7$

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



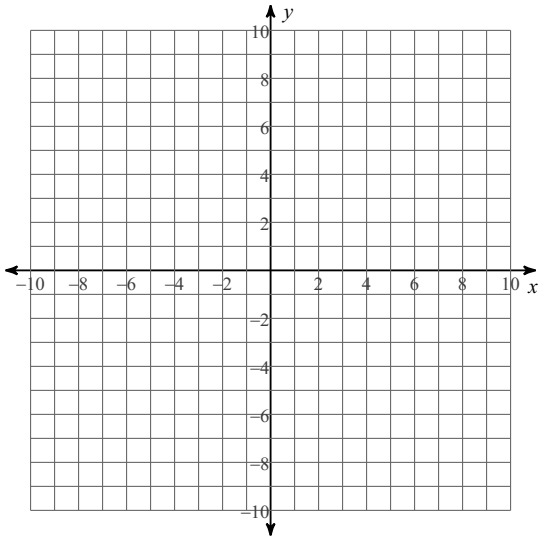
2) $y = \frac{5}{7}x - 9$

$y = \frac{5}{7}x - 3$



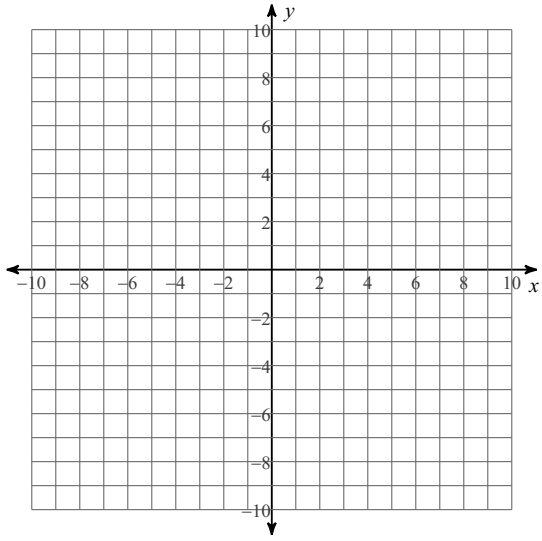
3) $y = \frac{9}{4}x + 8$

$y = -2x - 9$



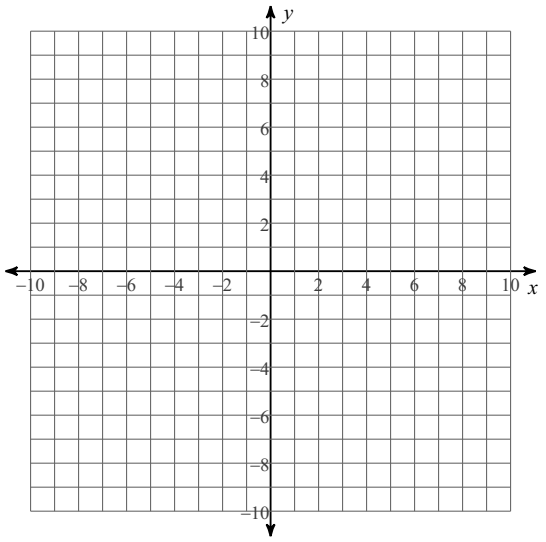
4) $y = \frac{3}{2}x - 2$

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



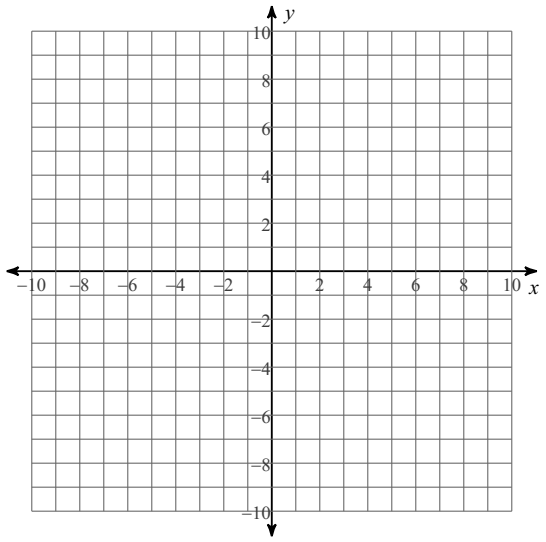
5) $y = -\frac{5}{9}x - 6$

$y = \frac{2}{9}x + 1$



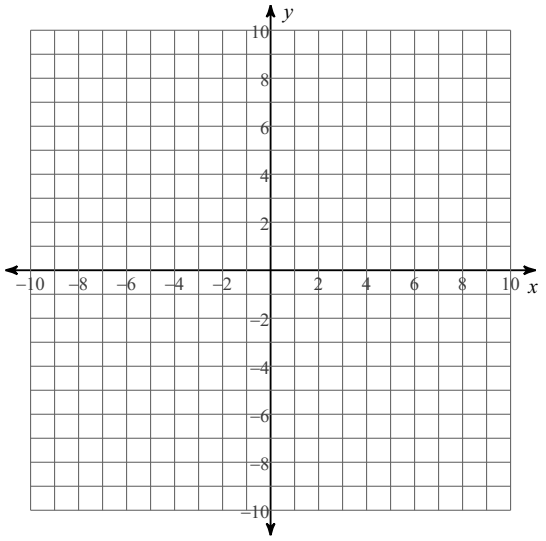
6) $y = \frac{1}{9}x + 7$

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



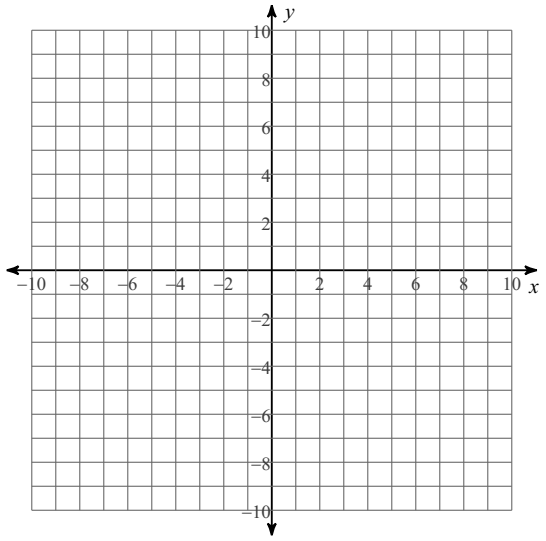
7) $y = -\frac{7}{6}x + 5$

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

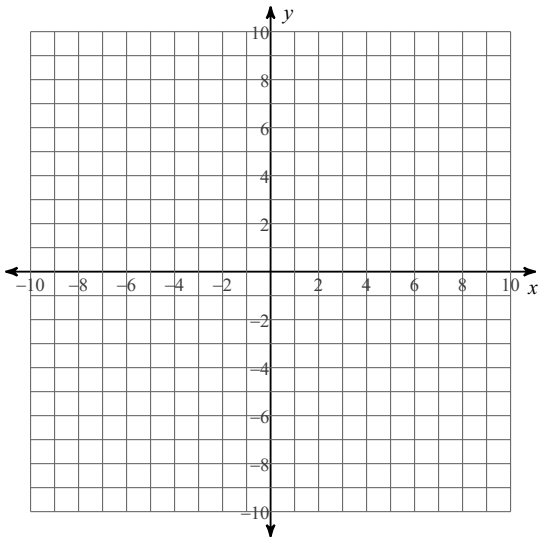


8) $y = -\frac{4}{7}x - 3$

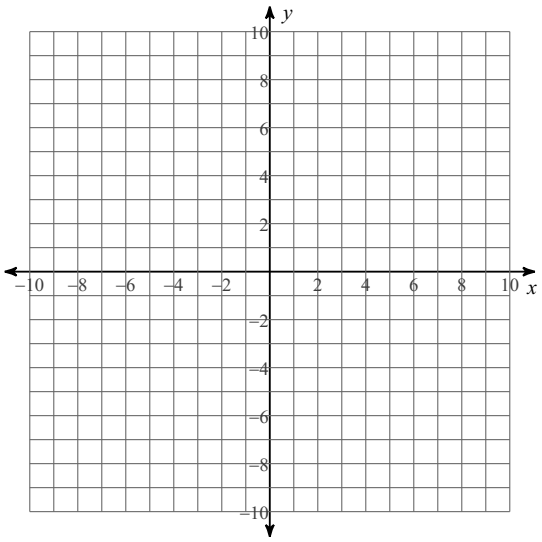
$y = -\frac{16}{7}x + 9$



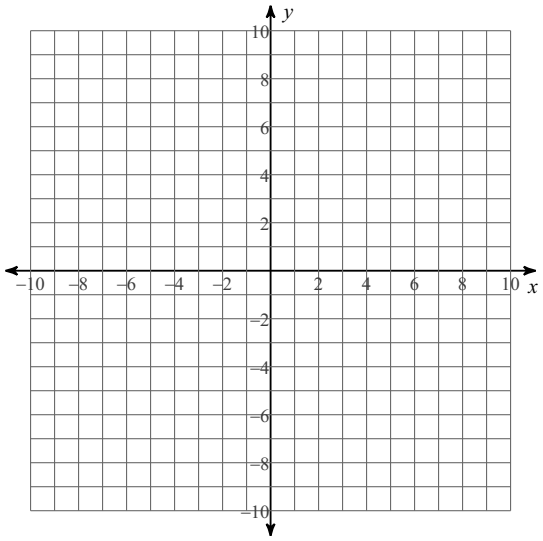
9) $x - 4y = -8$
$5x + 8y = 72$



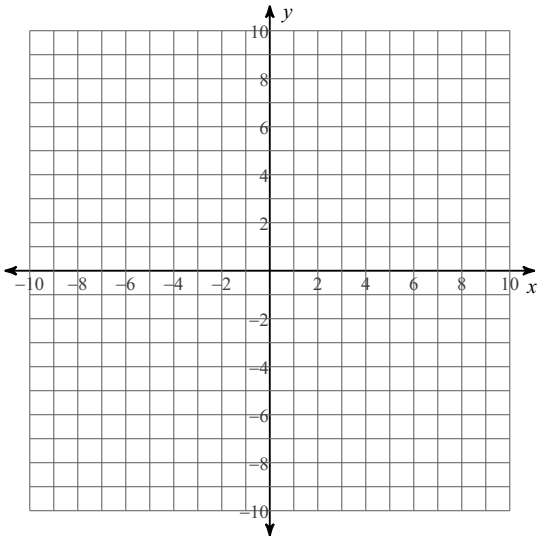
10) $4x - y = 7$
$x + y = 3$



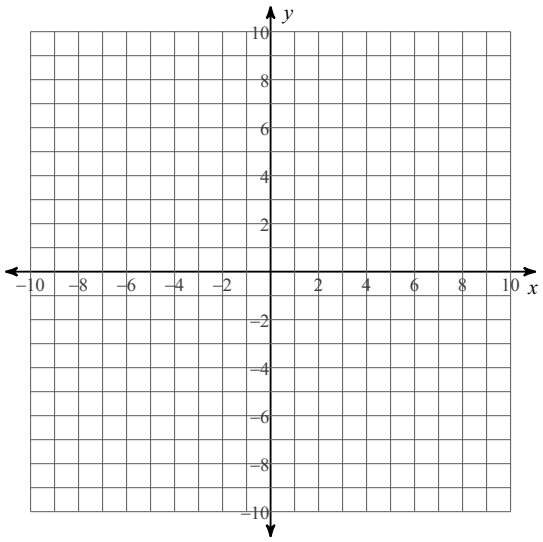
11) $x - 3y = 12$
$7x + 3y = 12$



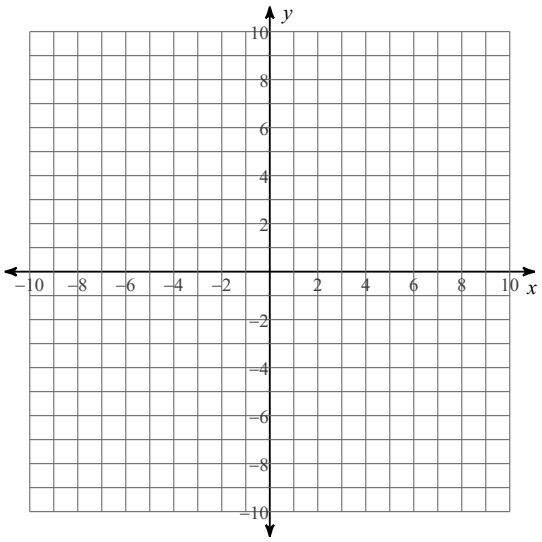
12) $5x + y = -3$
$x + y = 5$



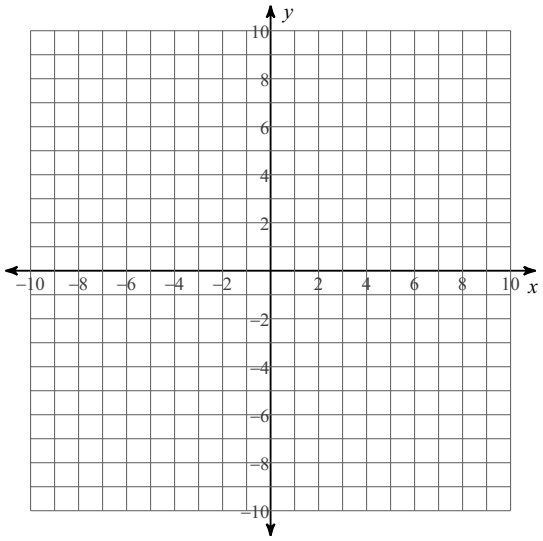
13) $x + y = -1$
$x + y = -8$



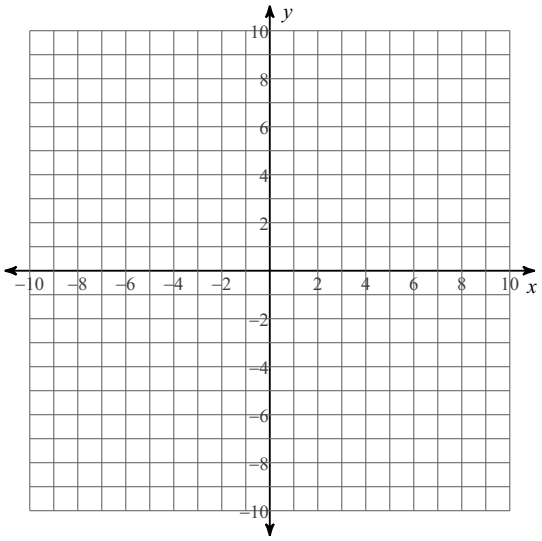
14) $3x - 8y = 64$
$x + y = 3$



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



16) $4x - 3y = -18$
$2x + 9y = -72$



Answers to Solving Systems of Equations By Graphing

1) $(-3, 6)$
2) No solution
3) $(-4, -1)$
4) $(4, 4)$
5) $(-9, -1)$
6) $(-9, 6)$
7) $(6, -2)$
8) $(7, -7)$
9) $(8, 4)$
10) $(2, 1)$
11) $(3, -3)$
12) $(-2, 7)$
13) No solution
14) $(8, -5)$
15) $(2, -2)$
16) $(-9, -6)$