Algebra 1 Name_____

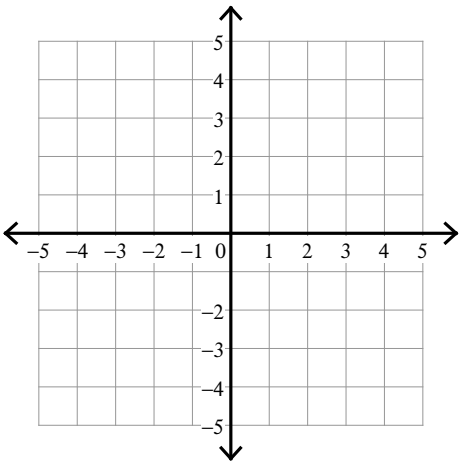
Solving Systems of Equations by Graphing

Date_____ Period____

Solve each system by graphing.

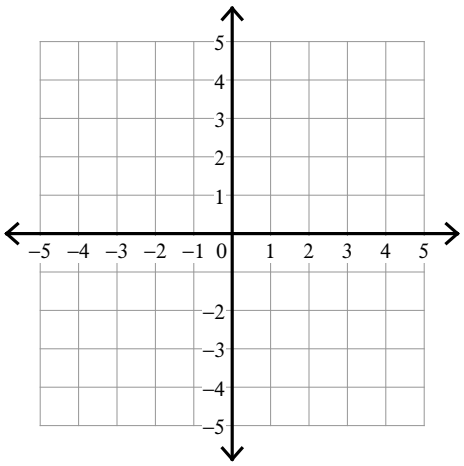
1) $y = \frac{1}{4}x + 2$

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



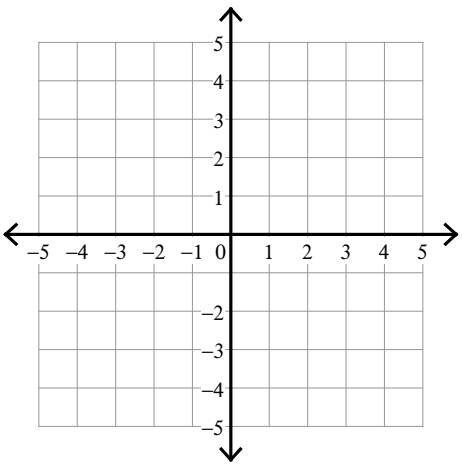
2) $y = -\frac{2}{3}x - 4$

$y = 2x + 4$



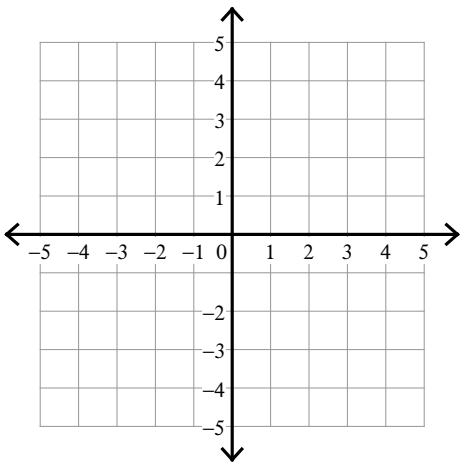
3) $y = -\frac{4}{3}x - 3$

$y = x + 4$



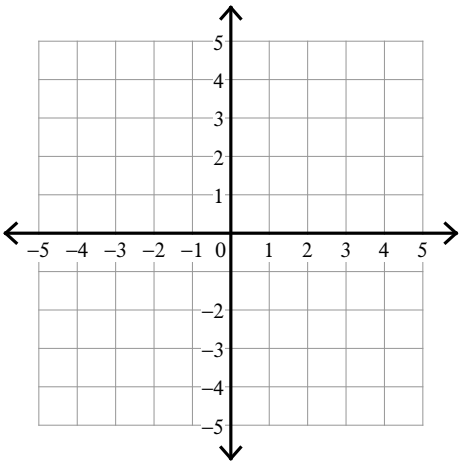
4) $y = \frac{1}{2}x - 2$

$y = -x + 1$



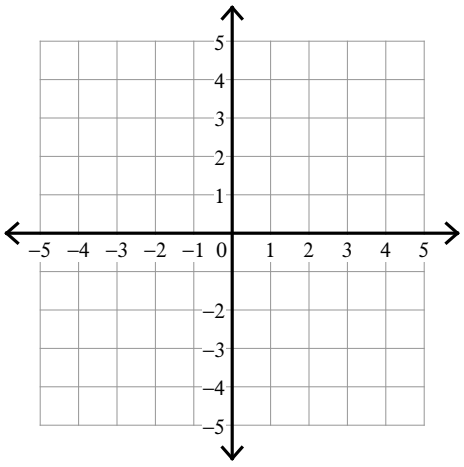
5) $y = -\frac{1}{2}x - 2$

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



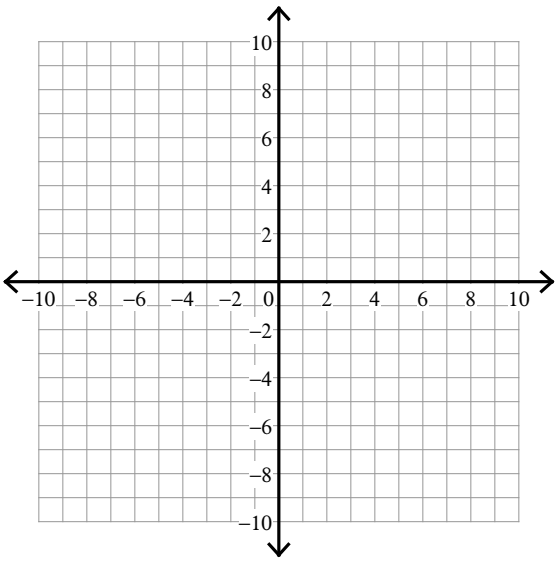
6) $y = \frac{2}{3}x + 4$

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



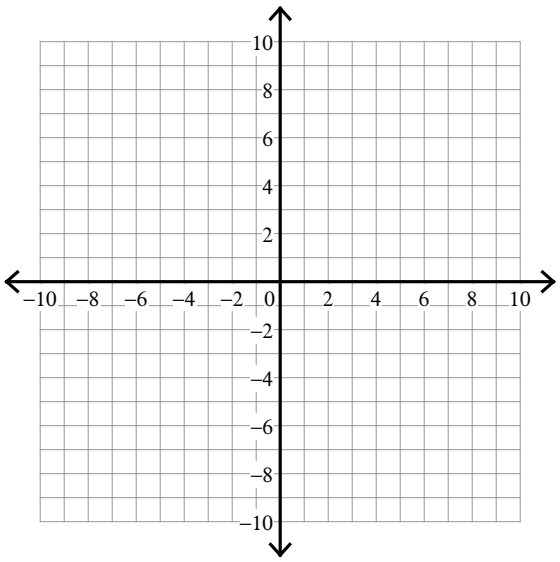
7) $y = \frac{1}{8}x + 5$

$y = \frac{1}{8}x + 9$



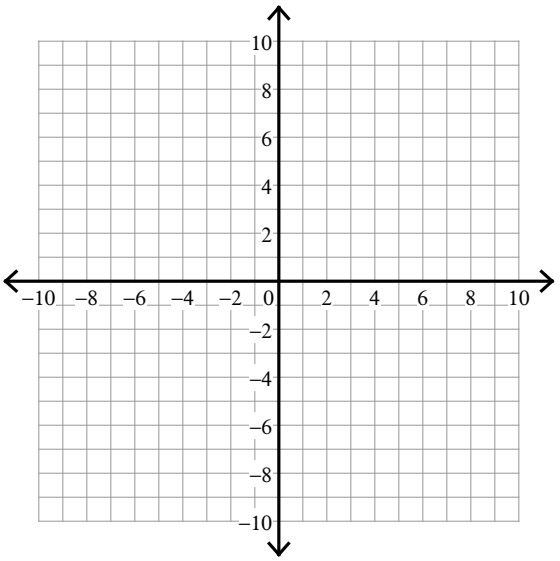
8) $y = \frac{4}{3}x - 9$

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



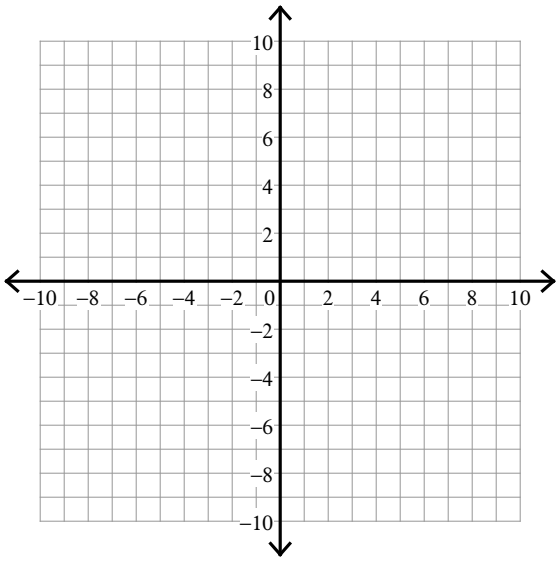
9) $y = \frac{1}{7}x - 8$

$y = \frac{6}{7}x - 3$



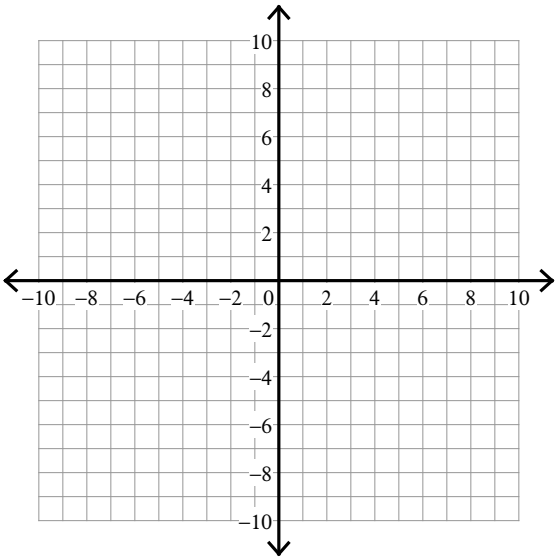
10) $y = \frac{17}{5}x - 8$

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



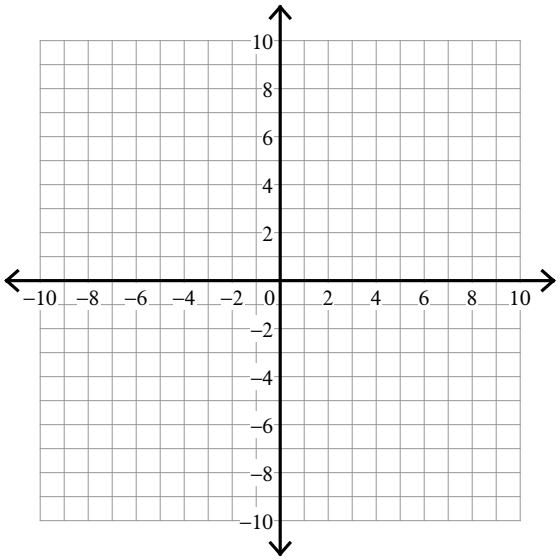
11) $y = -x + 8$

$y = 2x - 1$



12) $y = 15x + 8$

$y = x - 6$



Answers to Solving Systems of Equations by Graphing

1) (–4, 1)
2) (–3, –2)
3) (–3, 1)
4) (2, –1)
5) (–2, –1)
6) (–3, 2)
7) No solution
8) (6, –1)
9) (–7, –9)
10) (5, 9)
11) (3, 5)
12) (–1, –7)