Math 1 Name_____

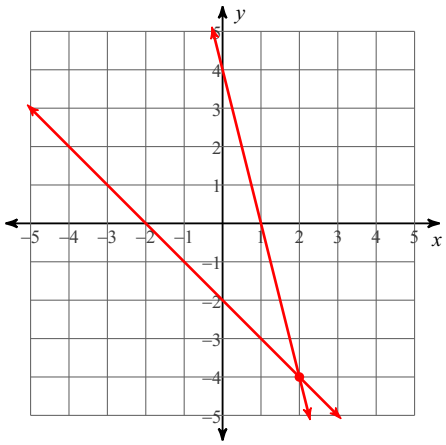


# Unit 3.1 Practice Solving systems by graphing

Period____

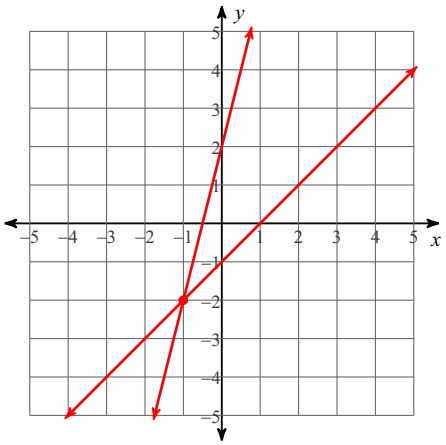
**Solve each system by graphing.**

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



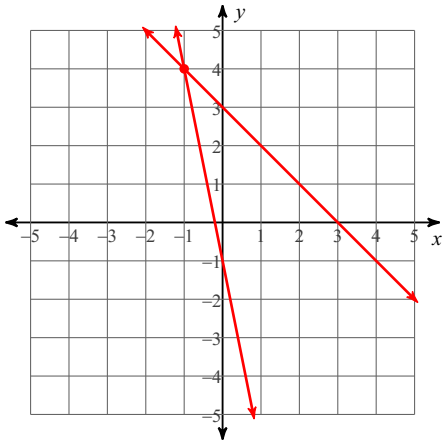
(2, –4)

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



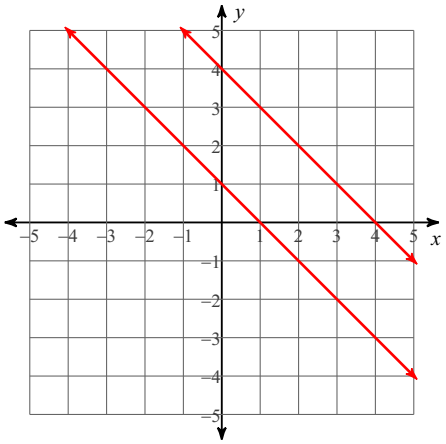
(–1, –2)

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



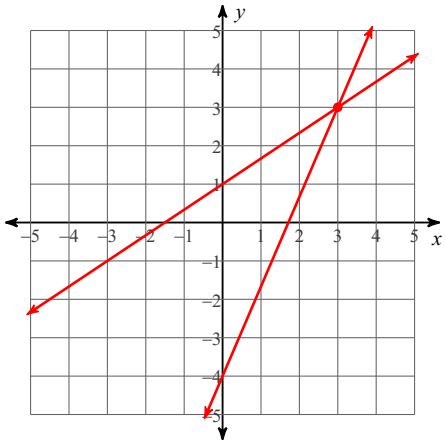
(–1, 4)

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



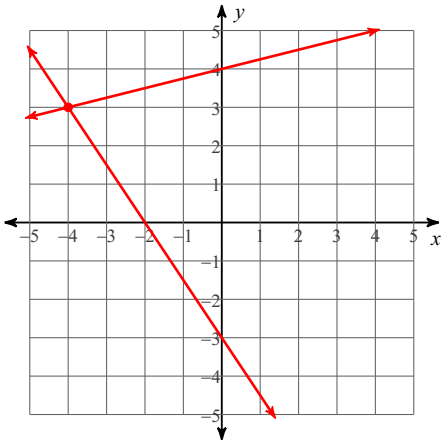
No solution

5) $2x - 3y = -3$
$7x - 3y = 12$



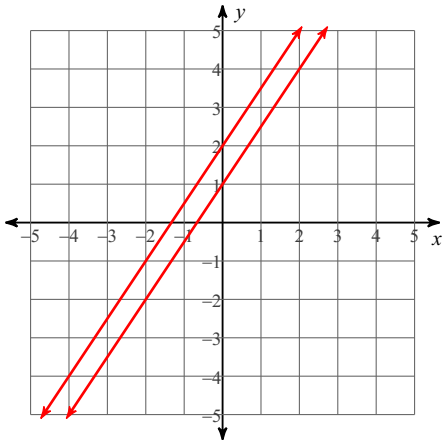
(3, 3)

6) $x - 4y = -16$
$3x + 2y = -6$



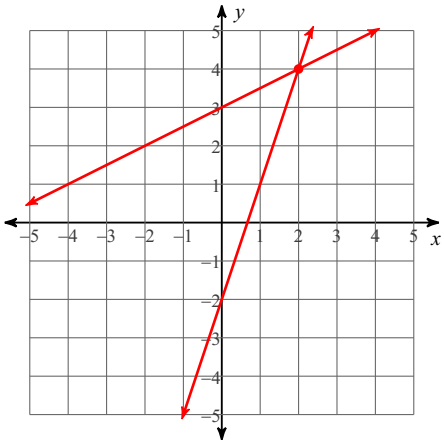
(–4, 3)

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



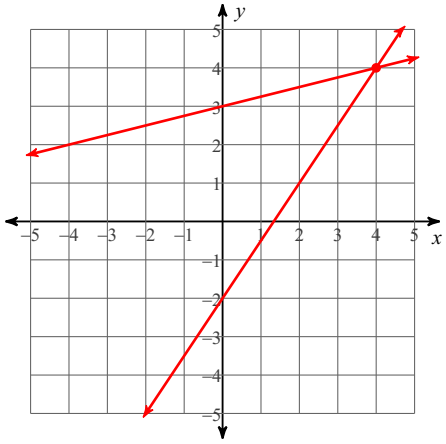
No solution

8) $3x - y = 2$
$x - 2y = -6$



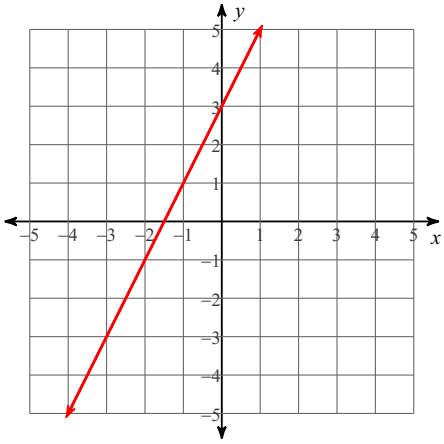
$(2, 4)$

9) $-4y = -12 - x$
$3x - 2y - 4 = 0$



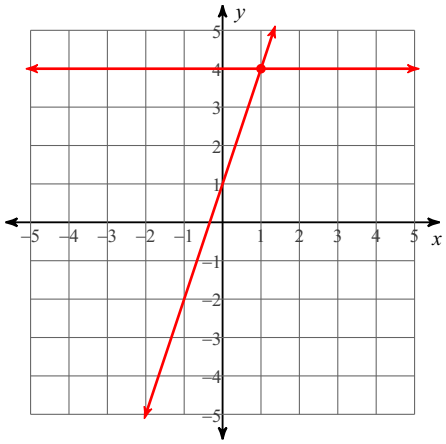
$(4, 4)$

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



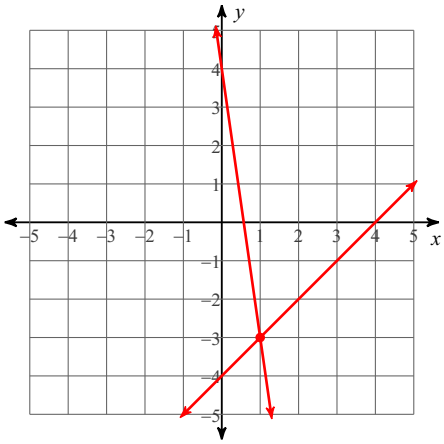
Infinite number of solutions

11) $-4 + y = 0$
$3x + 1 = y$



$(1, 4)$

12) $0 = 4 - y - 7x$
$-x + 4 = -y$



$(1, -3)$