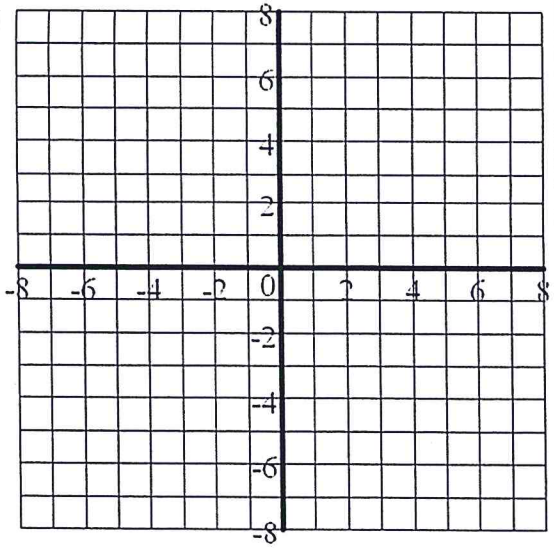
Algebra 1 Bellwork Fri, Feb 5, 2016

Find the solution to each system of linear equations by graphing. Give your answer as an ordered pair.

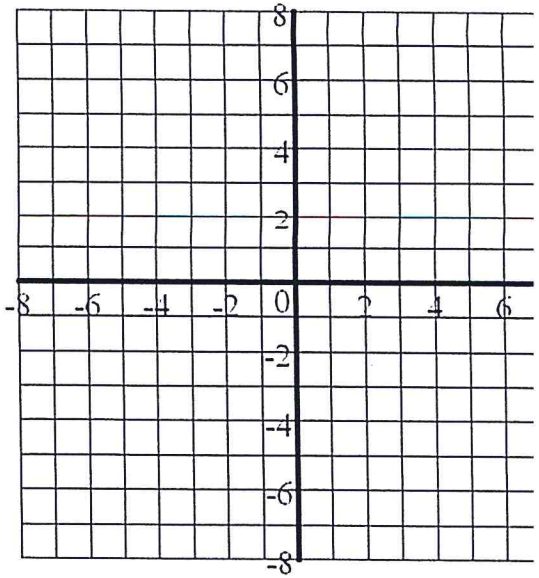
1. $y = x + 4$

   $3x + 6y = 6$



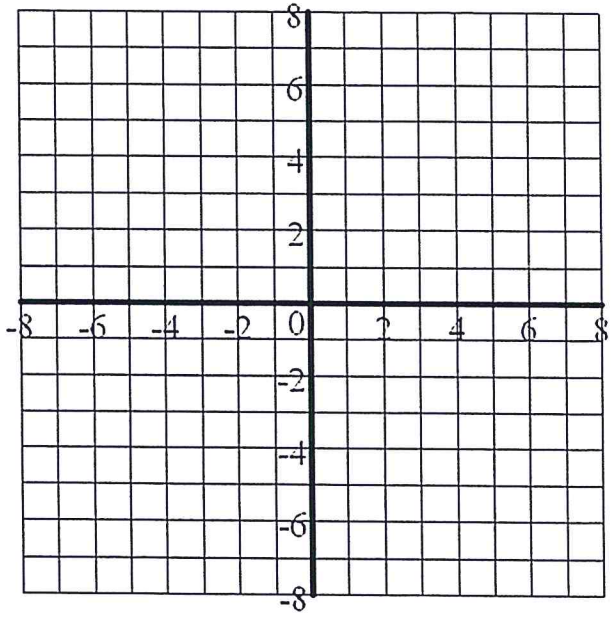
2. $y = \frac{1}{2}x$

   $-12x + 6y = 36$



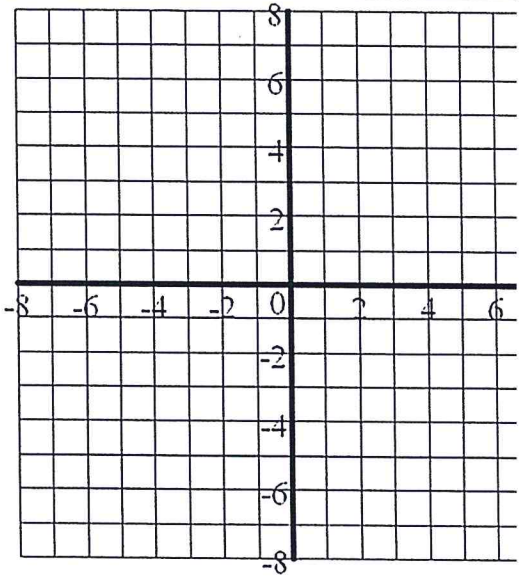
3. $y = \frac{3}{2}x + 1$

   $6x - 4y = 12$



4. $3x + 9y = 18$

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



Algebra 1 Bellwork Fri, Feb 5, 2016

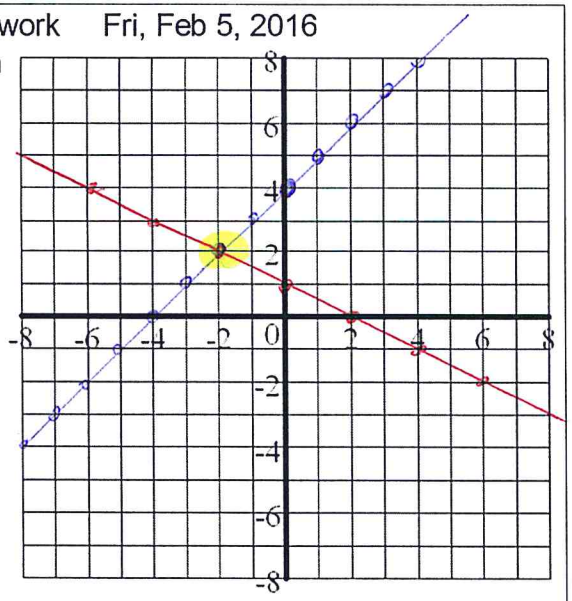
Find the solution to each system of linear equations by graphing. Give your answer as an ordered pair.

1. $y = x + 4$

$3x + 6y = 6$

x-int = 2

y-int = 1



Solution

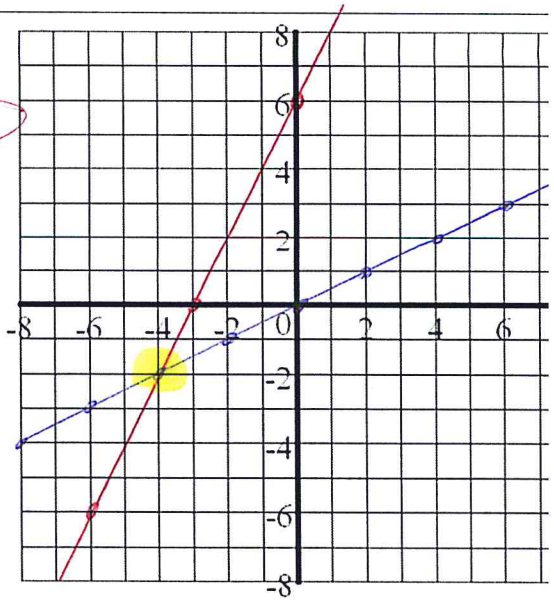
$(-2, 2)$

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

$-12x + 6y = 36$

x-int = -3

y-int = 6



Solution

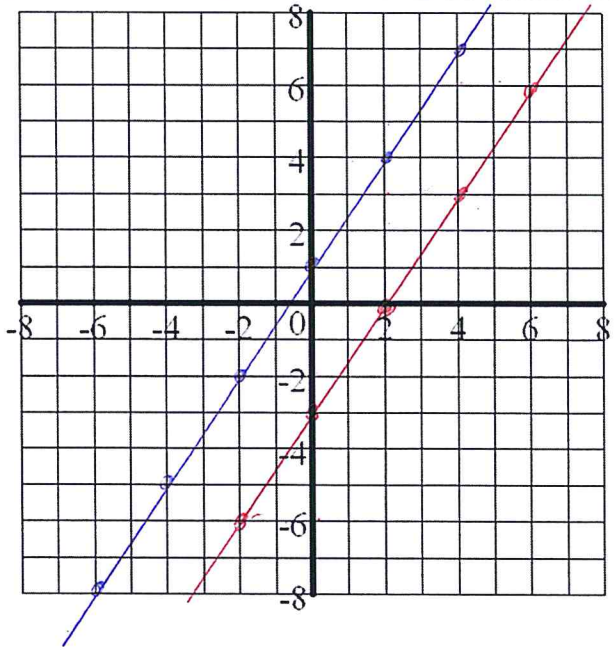
$(-4, -2)$

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

$6x - 4y = 12$

x-int = 2

y-int = -3



No Solution, Lines are parallel

4. $3x + 9y = 18$

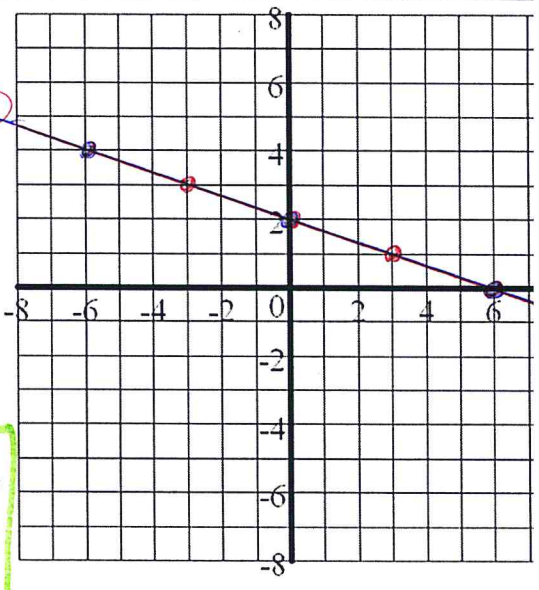
$y - 1 = -\frac{1}{3}(x - 3)$

point (3, 1)

m = -1/3

x-int = 6

y-int = 2



Many Solutions, these are the Same Line