Algebra 1a- Mr. Allen-Black Name_____ ID: 1

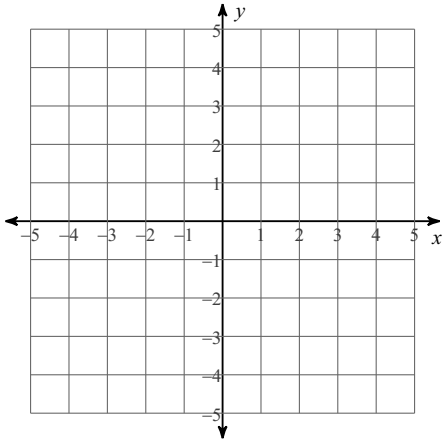
Solving Systems by Graphing - Class Notes

Date_____ Period____

For each problem, graph both lines on the SAME coordinate grid. Try to find the exact point where they cross. If they don't cross, explain why.

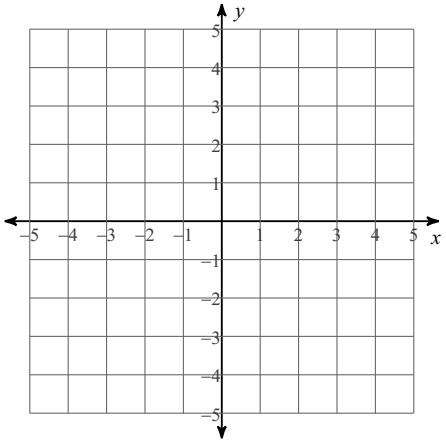
1) $y = 2x - 2$

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



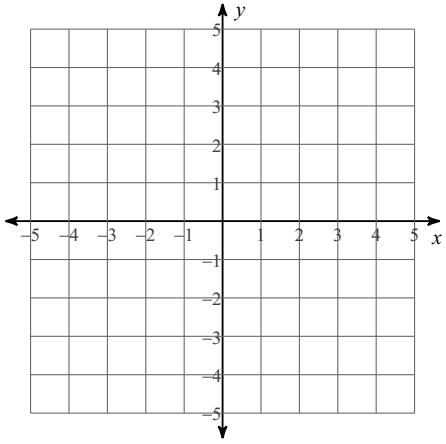
2) $y = -2$

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



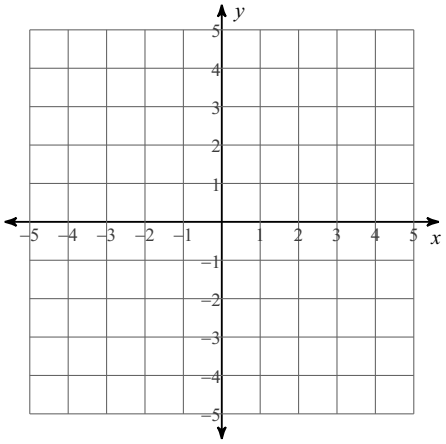
3) $y = \frac{1}{4}x - 3$

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

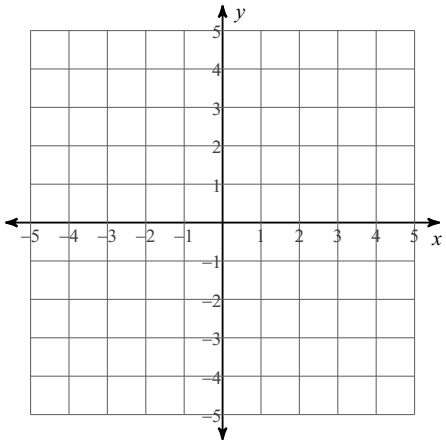


4) $y = -\frac{3}{2}x - 4$

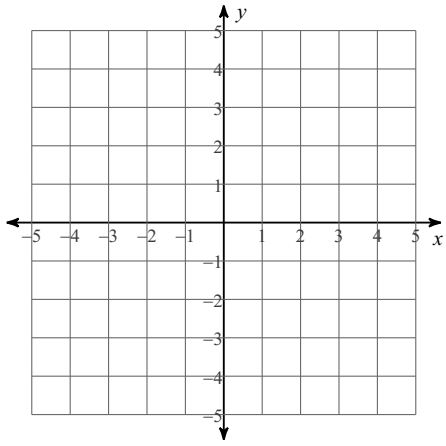
$x = -4$



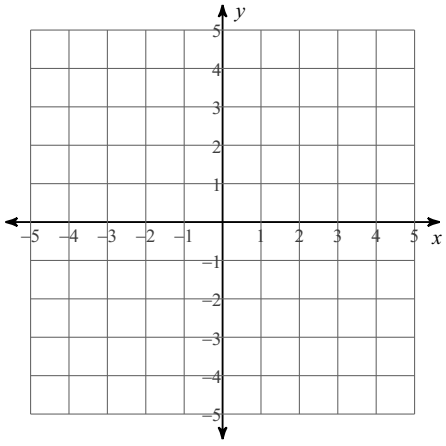
5) $y = 2x - 4$
$y = 2x + 3$



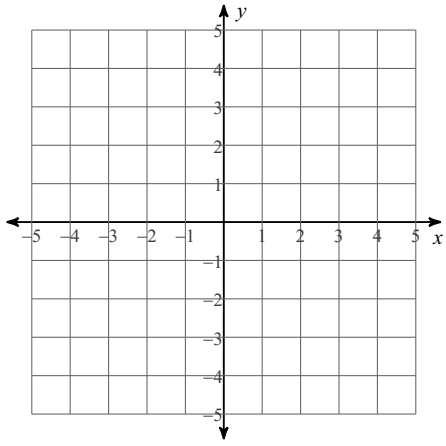
6) $x + 4y = -12$
$3x - 4y = -4$



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



8) $2x + 3y = -6$
$-4x - 6y = 12$



Answers to Solving Systems by Graphing - Class Notes (ID: 1)

1) $(2, 2)$
2) $(3, -2)$
3) $(4, -2)$
4) $(-4, 2)$
5) No solution
6) $(-4, -2)$
7) No solution
8) Infinite number of solutions
(Same line)