

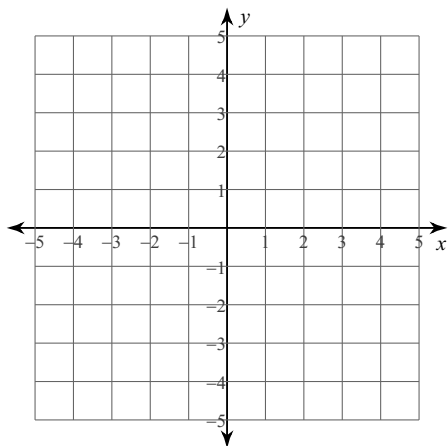
5.1 HW

Date _____ Algebra _____

Solve each system by graphing. Label BOTH lines and the solution!

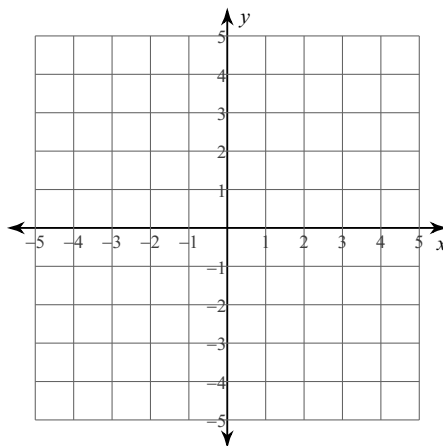
1) $y = 2x + 4$

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



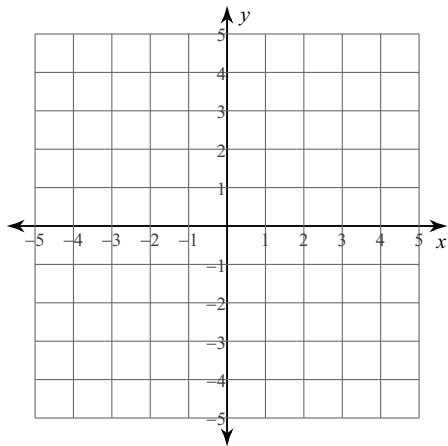
2) $x = -2$

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



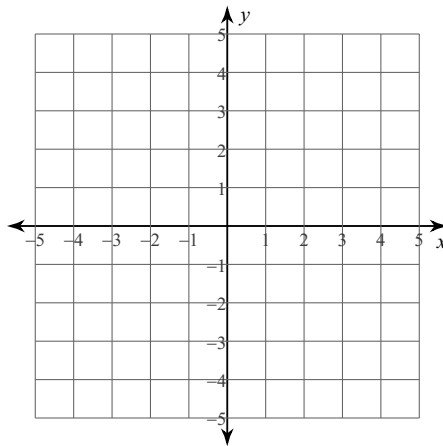
3) $x + 3y = 3$

$x - 3y = -9$

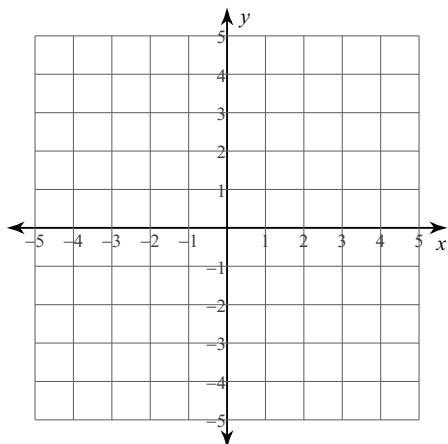


4) $3x + 2y = 4$

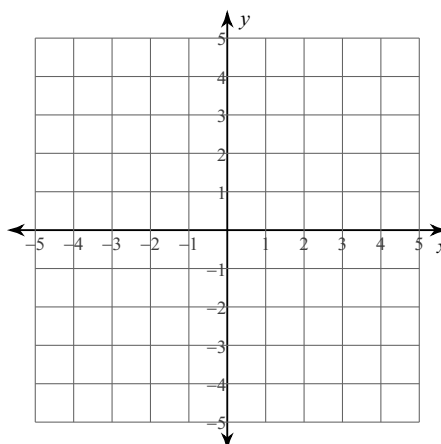
$3x - 2y = 8$



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

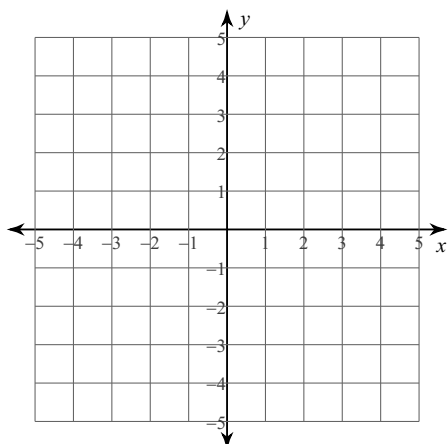


6) $2y + x - 2 = 0$
 $-1 + y + \frac{1}{2}x = 0$

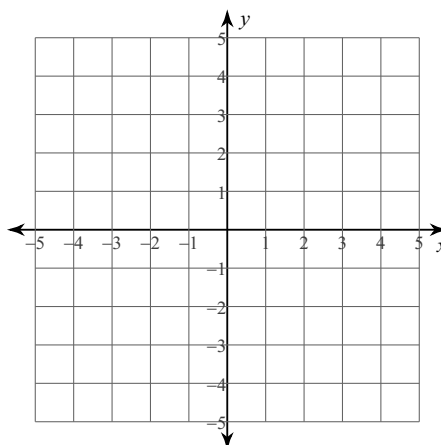


Sketch the solution to each system of inequalities. Be sure to label BOTH lines and the solution!

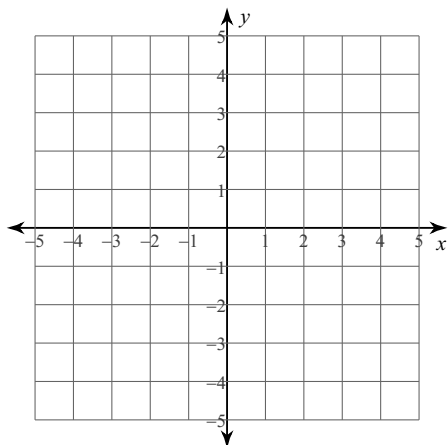
7) $y \leq -\frac{3}{2}x + 2$
 $y \leq x - 3$



8) $y > -\frac{1}{2}x - 3$
 $y \leq \frac{3}{2}x + 1$



9) $3x - 2y > -4$
 $3x - 2y \leq 6$



10) $x + y \geq 3$
 $2x - y \leq 3$

