5-36. Solve the following system of equations algebraically and then confirm your solutions by graphing.
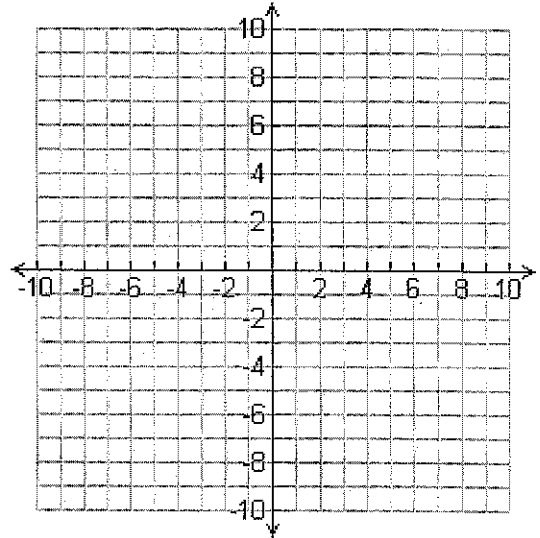
a. $y = 3x - 2$
   $4x + 2y = 6$

5-39. Rewrite each of the equations in **y-form**. State the y-intercept and the slope.

a. $5 - (y - 2) = 3x$

b. $5(x + y) = -2$

5-37. Lona received a stamp collection from her grandmother. The collection is in a leather book and currently has 120 stamps. Lona joined a stamp club, which sends her 12 new stamps each month. The stamp book holds a maximum of 500 stamps.

Complete the table below.

Month	0	1	2	3	4	5
Stamps	120	132				

a. How many stamps will Lona have one year from now?

b. Write an equation using function notation to represent the total number of stamps that Lona has in her collection after n months. Let the total be represented by $t(n)$.

c. Solve your equation from part (c) for n when $t(n) = 500$. Will Lona be able to fill her book exactly with no stamps remaining? How do you know? When will the book be filled?

5-45. For the line passing through the points $(-2, 1)$ and $(2, -11)$:

a. Calculate the slope of the line.

b. Find an equation of the line.