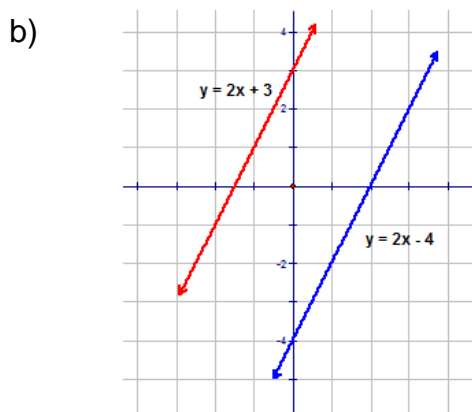
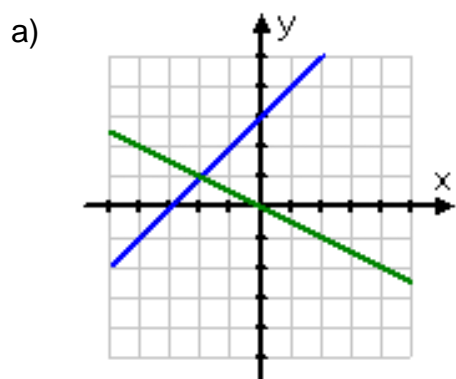


1. Given the linear system  $4x + y = 14$   
 $-2x + 4y = -16$  verify  $(4, -2)$  is the solution.

2. Which linear system models the situation: "In a board game, Judy scored 3 points more than twice the number of points as Ann scored. There was a total of 39 points scored."

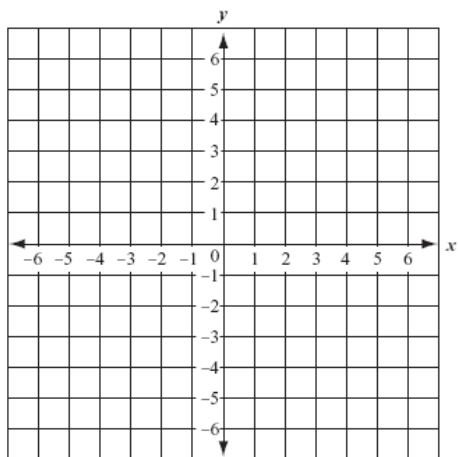
a)  $j - 3 = 2a$   
 $j + 2a = 39$       b)  $j = 3 + 2a$   
 $j + a = 39$       c)  $j + 3 = 2a$   
 $j + a = 39$       d)  $a = 3 + 2j$   
 $j + a = 39$

3. What is the solution for the system of equations represented in each graph?

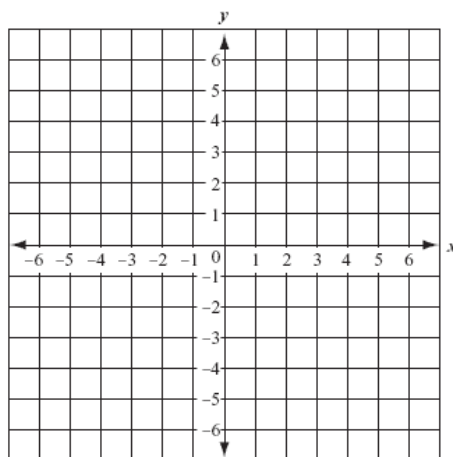


4. Solve each linear system by graphing.

a)  $y = -2x + 2$   
 $y + 6 = 2x$



b)  $-5x - y - 2 = 0$   
 $2y + 4 = 4x$



- 5(i). Determine the number of solutions for the linear system  $2x - 5y = 1$   
 $-6x + 15y = -3$

- a) no solution      b) one solution      c) two solutions      d) infinite solutions

- 5(ii) Justify your answer.