Bellwork Friday, April 4, 2014

Solve each system of equations. 5(-3) - (0) = -31. m - n = 7 4m + 3n = 35 4m - 4n = 35 -4m + 3n = 35 -4m + 3n = 35 -4m + 3n = 35 -7n = -7 0 = 1 -12 = 33 -13 - (0) = -3 -14 = 21 -14 = 21 -14 = 23 -14 =

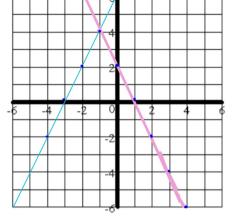
4. One elementary school has 450 students but has been decreasing by 12 students each year. Another elementary school has 398 students and is increasing by 8 students each year. Write and solve a system of equations to find the number of years it will take for the two elementary schools to have the same number of students.

3. Find the solution to this system of equations by graphing.

$$y = 2x + 6$$

$$10x + 5y = 10$$





5. The grocery store got a delivery of 39 boxes of food. Inside each small box is 16 cans. Inside each large box is 24 cans. When all the boxes were opened there was a total of 768 cans of food. Write and solve a system of equations to find the number of small and large boxes.