

Bellwork Friday, April 4, 2014

Solve each system of equations.

1. $m - n = 7$

$$4m + 3n = 35$$

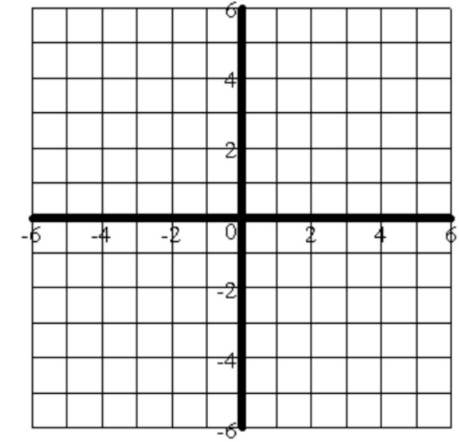
2. $3P - 8Q = 7$

$$5P - 6Q = -3$$

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

$$y = 2x + 6$$

$$10x + 5y = 10$$



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.

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.

of small boxes:

of large boxes: