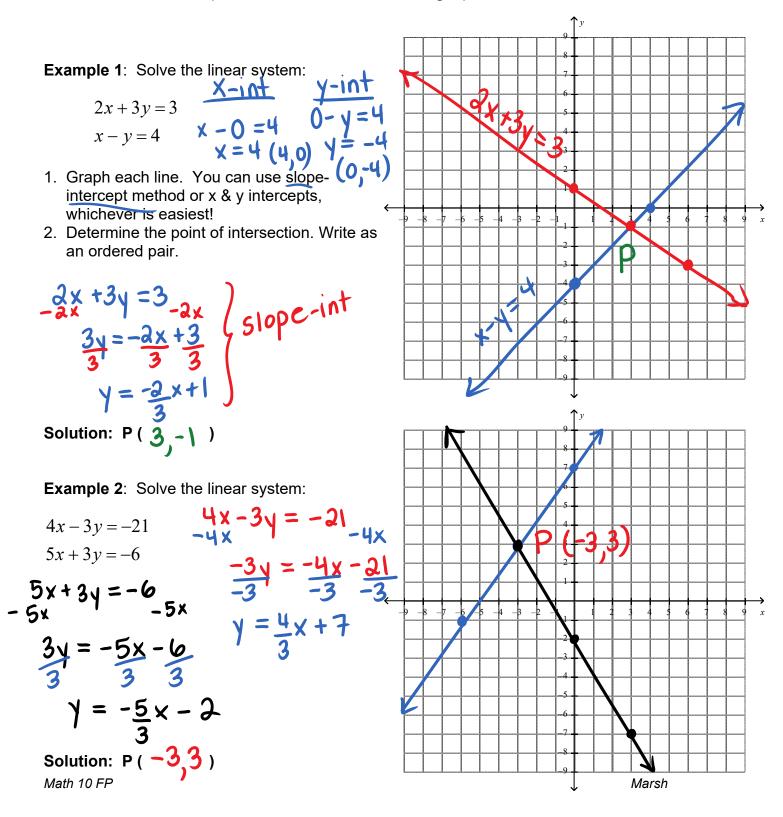
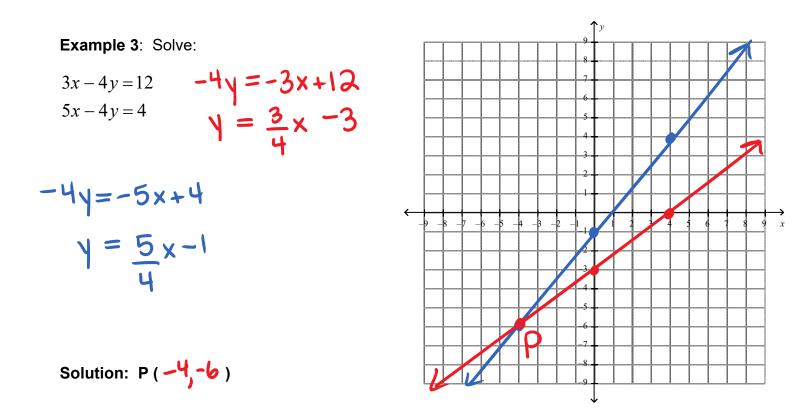
7.2 Solving a System of Linear Equations Graphically

The solution of a linear system can be determined by graphing both equations on the same grid. If the two lines <u>intersect</u>, the coordinates of the point of intersection P(x, y) are the solution of the system. (Remember that the points that satisfy each equation lie on its graph.) The solution (ordered pair) that satisfies both equations lies where the two graphs intersect!





Example 4: Develop a linear system to represent the following problem. Then graph to determine the solution for the system.

Two numbers have a sum of 10. The first number plus three times the second number is 24. Find the numbers.

