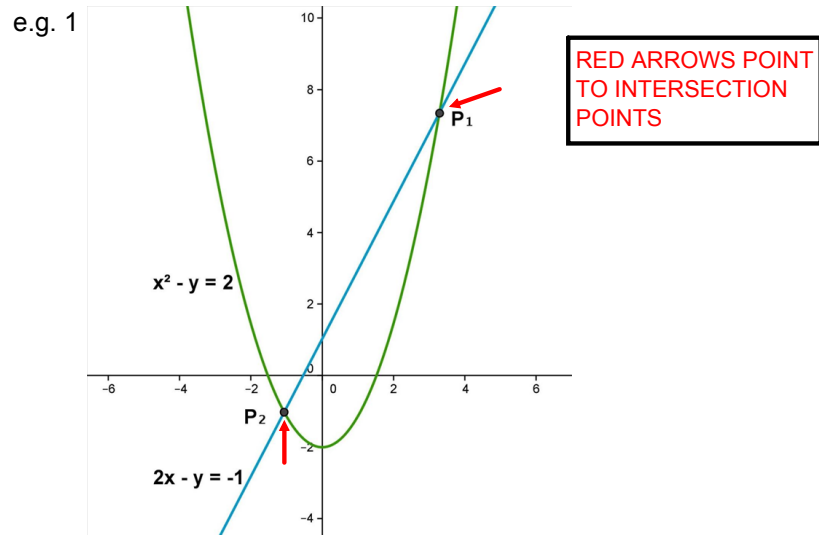


Math 4111 Solving a System of Equations (Parabola and a Line)

To SOLVE a system of equations means to find the INTERSECTION POINTS



Method: To solve a system of equations, isolate "y" in each equation, then use comparison method to solve for x. Once you find each "x" you can "plug it into" either equation to find the "y".

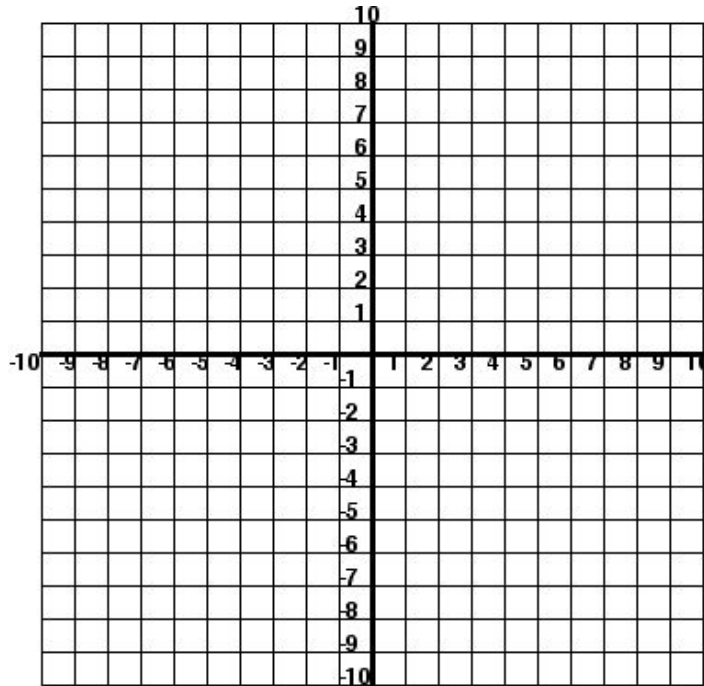
Solve the system of equations shown above:

Answer: _____

e.g. 2 Solve the following system of equations:

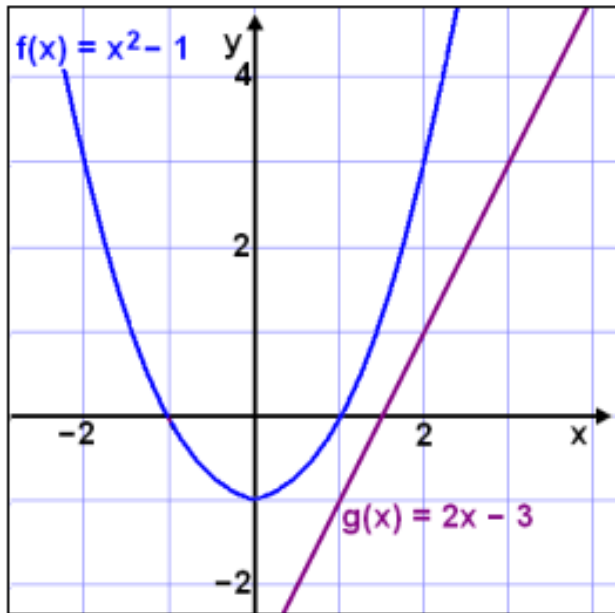
1. $y = x^2 - 3x - 4$

2. $y = x - 8$



Answer: _____

e.g. 3 Solve the following system of equations:



Answer: _____

3 possible scenarios:

