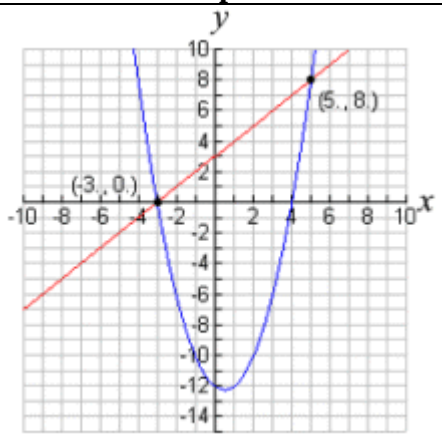
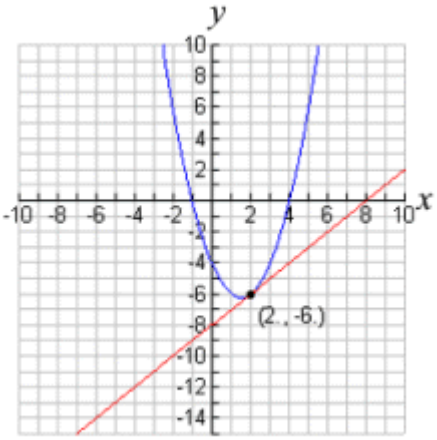
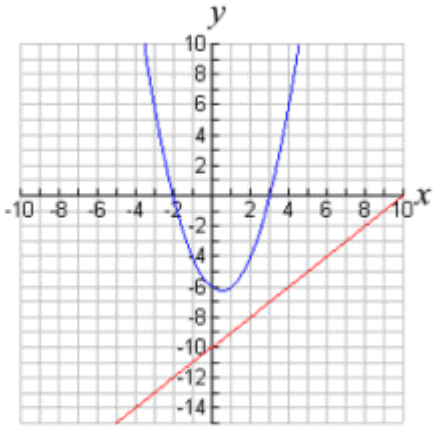
Linear Quadratic Systems

Name_____

Linear-quadratic systems can result in three graphical situations. Examine each of the graphs carefully. For each graph, write equations to represent both the parabola and the straight line shown. Solve each system algebraically showing that the graphical answer and the algebraic answer match.

Graph	Equations and Solution
	The equations will intersect in two locations. Two real solutions.
	The equations will intersect in one location. One real solution.
	The equations will not intersect. No real solutions.