

CLASS NOTES

8.12B Solving Quadratic-Linear Systems Algebraically

The algebraic solution of a quadratic-linear system consists of solving the linear equation for one of the variables then substituting into the other equation and solving.

Example 1: Find the solution set for $y = x^2 - 2x + 1$ and $y = -x + 3$ using an algebraic approach.

Example 2: Find the solution set for $y = x^2 - 4x + 4$ and $2y = x + 4$ using an algebraic approach.