

Quadratic Functions

Problem

Match each of the equations with the most efficient solution method.

I. $x^2 - 6x + 3 = 0$

II. $x^2 - 6x + 5 = 0$

III. $x^2 - 3x + 6 = 0$

IV. $3x^2 - 6x + 3 = 0$

- a. Use quadratic formula.
- b. Complete the square.
- c. Factor the polynomial.
- d. Graph.

Comments: Solution is open for discussion. Encourage students to justify/debate a certain method. Teacher may indicate that each method must be used once.