

The Quadratic Formula (10.6)

Prior Knowledge: Write the quadratic equation in standard form.

A) $6x^2 - 6 + x = 9x^2 - 5x + 6$

B) $x(x-8) = 4(4x-5)$

Quadratic Formula

If $ax^2 + bx + c = 0$, then $x =$

Solving Quadratic Equations: Solve the equation using the quadratic formula.

1) $3x^2 - 7x + 2 = 0$

2) $2x^2 - 4x = 5$

3) $x^2 + 5x = -7$

4) $4m^2 + 25 = 20m$

Solving Quadratic Equations: Solve. Use the quadratic formula as your last effort.

5) $5x^2 - 21x - 20 = 0$

6) $x^2 + 8x - 18 = 0$

7) $2x^2 - 6x + 3 = 0$

8) $3x^2 - 39 = 0$