

Review: Solving Quadratic Equations

Solve each Quadratic Equation.

1) $(x-3)(x+4) = 0$

2) $(x-2)^2 = 0$

3) $x^2 + 5x + 6 = 0$

4) $2x^2 + 5x + 3 = 0$

5) $3x^2 + 5x - 2 = 0$

6) $x^2 + 7x = -10$

7) $6x^2 - 6 = -5x$

8) $x^3 - 3x^2 + 13x = x^2 + 25x$

9) $121x^2 = 9$

10) $18x^3 - 2x = 0$

Answers:

1) $\{-4, 3\}$

2) $\{2\}$

3) $\{-3, -2\}$

4) $\{-3/2, -1\}$

5) $\{-2, 1/3\}$

6) $\{-5, -2\}$

7) $\{-3/2, 2/3\}$

8) $\{-2, 0, 6\}$

9) $\{-3/11, 3/11\}$

10) $\{-1/3, 0, 1/3\}$