

2022 Must Known Algebra 1 Strategies of Solving Quadratic Equations Big Idea Algebra I...

Lesson 009 | Algebra I | Quadratic equations and graphs

https://www.youtube.com/watch?v=alkyqD_Ou30

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01

Solve $x^2 - 2x - 8 = 0$ by factoring and verify the roots.

02

Solve $x^2 - 2x - 35 = 0$ by factoring and verify the roots.

03

Solve $x^2 - 10x - 56 = 0$ by factoring and verify the roots.

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04

Solve $x^2 - 11x - 42 = 0$ by factoring and verify the roots.

05

Solve $x^2 + 5x - 84 = 0$ by factoring and verify the roots.

06

Solve $x^2 + x - 132 = 0$ by factoring and verify the roots.

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01

Solve $x^2 - 2x - 8 = 0$ by factoring and verify the roots.

Factor: $(x - 4)(x + 2) = 0$. Roots are 4 and -2. Each root makes one factor zero.

02

Solve $x^2 - 2x - 35 = 0$ by factoring and verify the roots.

Factor: $(x - 7)(x + 5) = 0$. Roots are 7 and -5. Each root makes one factor zero.

03

Solve $x^2 - 10x - 56 = 0$ by factoring and verify the roots.

Factor: $(x - 14)(x + 4) = 0$. Roots are 14 and -4. Each root makes one factor zero.

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04

Solve $x^2 - 11x - 42 = 0$ by factoring and verify the roots.

Factor: $(x - 14)(x + 3) = 0$. Roots are 14 and -3. Each root makes one factor zero.

05

Solve $x^2 + 5x - 84 = 0$ by factoring and verify the roots.

Factor: $(x - 7)(x + 12) = 0$. Roots are 7 and -12. Each root makes one factor zero.

06

Solve $x^2 + x - 132 = 0$ by factoring and verify the roots.

Factor: $(x - 11)(x + 12) = 0$. Roots are 11 and -12. Each root makes one factor zero.