Lesson 11.5 Practice: The Quadratic Formula

School Launch · Algebra I · Unit 11: Quadratic Functions and Equations · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Solve with the quadratic formula: $x^2 - x - 2 = 0$.

EASY

2. Solve with the quadratic formula: $x^2 + 4x + 3 = 0$.

EASY

3. Solve with the quadratic formula: $x^2 - 9x + 20 = 0$. EASY

4. Solve with the quadratic formula: $2x^2 - 9x - 9 = 0$. MEDIUM

5. Solve with the quadratic formula: $2x^2 - 8x + 2 = 0$. MEDIUM

6. Solve with the quadratic formula: $4x^2 + 4x - 3 = 0$. MEDIUM

7. Solve with the quadratic formula: $3x^2 - 9x - 5 = 0$. MEDIUM

8. Solve with the quadratic formula: $2x^2 + 6x - 7 = 0$. HARD

9. Solve with the quadratic formula: $3x^2 + 2x - 6 = 0$. HARD

10. Solve with the quadratic formula: $x^2 - 5x + 3 = 0$. HARD