Lesson 1.4 Practice: Simplifying Expressions

School Launch · Algebra I · Unit 1: Foundations: Real Numbers and Expressions · 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. Simplify: $-4x + 3 + 4x$. EASY

2. Simplify: $3x + 8 + 6x$. EASY

3. Simplify: $-3x + 7 + 6x$. EASY

4. Simplify: $4(7x + 1) + 5x$. MEDIUM

5. Simplify: $6(-3x - 6) + 4x$. MEDIUM

6. Simplify: $4(2x - 9) - x$. MEDIUM

7. Simplify: $6(-6x - 6) + 2x$. MEDIUM

8. Simplify: $3(7x - 7) - 5(x + 7) + 7x^2 - x^2$. HARD

9. Simplify: $5(-6x - 5) - 8(x - 6) + 5x^2 - x^2$. HARD

10. Simplify: $4(-4x + 5) - 8(x - 4) + 5x^2 - x^2$. HARD