Lesson 8.3 Practice: Multiplying Binomials and Polynomials

School Launch · Algebra I · Unit 8: Polynomials · 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. Multiply: $(x + 6)(x + 5)$. EASY

2. Multiply: $(x - 5)(x - 4)$. EASY

3. Multiply: $(x + 6)(x - 6)$. EASY

4. Multiply: $(x + 9)(x - 6)$. MEDIUM

5. Multiply: $(5x + 8)(2x - 5)$. MEDIUM

6. Multiply: $(3x + 3)(3x + 1)$. MEDIUM

7. Multiply: $(2x - 1)(x + 9)$. MEDIUM

8. Multiply: $(3x - 6)(x^2 + x + 7)$. HARD

9. Multiply: $(x + 1)(x^2 + 3x + 3)$. HARD

10. Multiply: $(5x - 3)(x^2 + 3x + 8)$. HARD