Lesson 8.2 Practice: Multiplying by a Monomial

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: $-2x^{2}(6 - x)$. EASY

2. Multiply: $-5x^{2}(5x + 5)$. EASY

3. Multiply: $4x^{3}(-6x - 4)$. EASY

4. Multiply: $4x^{1}(-4x^{2} - x + 4)$. MEDIUM

5. Multiply: $-3x^{1}(x^{2} - 5x + 1)$. MEDIUM

6. Multiply: $1x^{2}(5x^{2} - x - 5)$. MEDIUM

7. Multiply: $6x^{2}(x^{2} - 7x - 6)$. MEDIUM

8. Multiply: $-1x^{3}(-6x^{3} + 5x^{2} - x - 2)$. HARD

9. Multiply: $6x^{2}(3x^{3} - 2x^{2} - 3x + 1)$. HARD

10. Multiply: $-4x^{1}(-4x^{3} + 6x^{2} + 5x + 4)$. HARD