

U2L6 Expanding and Simplifying Expressions (builds on L5)

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Lesson 5

EX) 1) $3x(x+2) = 3x^2 + 6x$ ✓

2) $-2(2x+y-3z) = -4x - 2y + 6z$ ✓

3) $x(3x-2) + 2x(x+4) = 3x^2 - 2x + 2x^2 + 8x = 5x^2 + 6x$ ✓

4) $2a(3a+2) - 3a(5a+3) = 6a^2 + 4a - 15a^2 - 9a = -9a^2 - 5a$ ✓

5) $4(2x+3) + 3x(x^2-x+3) = 8x + 12 + 3x^3 - 3x^2 + 9x = 3x^3 - 3x^2 + 17x + 12$ ✓
 in order descending degree
 HIGH → LOW

Assignment: P189 # 1, 7, 10, 14, 29-31, 40, 44, 46, 47