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| Lesson 7.2 | Multiplying Polynomials Homework |

**DISTRIBUTING AND COMBINING LIKE TERMS:**

DISTRIBUTE, AND THE COMBINE LIKE TERMS. *REMEMBER, ADD THE EXPONENTS WHEN MULTIPLYING VARIABLES.*

1. 9x – 4(6 – 3x)
2. 5(3b – 2a) – 7b
3. 2(2x + 6) + 3(5x – 7)
4. 6(4a – 2b) – 2(9b – 7a)
5. 
6. 3(x3+ 4x2) + 2x(x–7)
7. 4(3d2+5d) – d(d2–7d+12)
8. 3(2t2 –4t–15) + 6t(5t+2)

**MULTIPLYING POLYNOMINALS (FOIL):**

DISTRIBUTE FIRST, OUTTER, INNER, LAST, AND THEN COMBINE LIKE TERMS.

1. 
2. 
3. 
4. 
5. 
6. 
7. (2b + 1)(b2 – 5b + 4)
8. (y - 5)(4y2 – 3y + 2)