

# 5-3 Homework

Name: \_\_\_\_\_

## Scrambled Multiplying Polynomials!

1.  $(x - 4)(x + 9)$

**A**  $x^2 - 9x + 14$

2.  $(x + 4)(x - 11)$

**B**  $x^2 + 9x + 18$

3.  $(x - 3)(x - 2)$

**C**  $4x^2 + 12x - 8$

4.  $(x + 5)(x + 6)$

**D**  $x^2 + 5x - 36$

5.  $(x + 9)(x - 8)$

**E**  $x^2 - 7x - 44$

6.  $4(x^2 + 3x - 2)$

**F**  $4x^2 + 16x + 12$

7.  $(x - 6)(x + 1)$

**G**  $x^2 + x - 72$

8.  $(x - 2)(x - 7)$

**H**  $x^2 + 11x + 30$

9.  $(2x - 1)(x + 3)$

**I**  $6x^2 + 19x - 7$

10.  $(x + 6)(x + 3)$

**J**  $x^2 - 5x - 6$

11.  $(x + 3)(4x + 4)$

**K**  $x^2 - 5x + 6$

12.  $(3x - 1)(2x + 7)$

**L**  $2x^2 + 5x - 3$

Find each product.

10)  $(8n + 4)(6n - 7)$

11)  $(3m - 2)(2m - 1)$

12)  $(6x - 1)(8x - 3)$

13)  $(7n + 8)(5n + 3)$

14)  $(4p + 2)(3p - 5)$

15)  $(4x - 6)(6x - 1)$

16)  $8n(6n^2 - 3n - 4)$

17)  $6x(4x^2 - 7x + 7)$

18)  $(2n - 8)(7n^2 + 2n + 7)$

19)  $(8x + 4)(8x^2 + 2x - 1)$