

8-3 – Multiplying Polynomials

Name _____ Hr _____

Solve using the method indicated.

Punnett Squares

1. $(x + 4)(x + 3) =$

2. $(x - 1)(x + 8) =$

3. $(5x - 2)(x - 6) =$

x	x	+	3
x			
+			
→			

x	x	+	8
x			
.			
→			

x		

4. $6x(3x - 4) =$

5. $(x^2 - 3)(x + 4) =$

6. $(3x + 1)(2x^2 - 5x + 4) =$

x		

x		

x			

F.O.I.L. method

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

8. $(x - 4)(-x + 3)$

9. $(2x - 7)(8x + 4)$

Double Distributive Property

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

11. $(2x - 3)(x + 9) =$

12. $(x + 2)(2x^2 - 4x + 1) =$

Your Choice

13. $(x - 8)(3x + 4)$

14. $(-2x + 2)(x + 5)$

15. $(7x^2 + 4x - 1)(2x + 1)$