

Name _____

Multiplying Polynomials

Simplify each.

1. $3(x + 5)$

2. $5(2x + 3)$

3. $x(x - 3)$

4. $3x(x + 7)$

5. $5y(y - 9)$

6. $4m(m + 7n)$

7. $3x^2(x + 2)$

8. $4x(2x^2 - 3x + 1)$

9. $9y^2(7y^2 + 5y - 3)$

10. $(x + 6)(x - 5)$

11. $(x + 3)(2x + 1)$

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

13. $(x + 5)(3x + 2)$

14. $(4x - 3)(3x + 2)$

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

16. $(3x + 2)(x^2 + 7x - 9)$

17. $(2a + 1)(a^2 + 3a - 4)$

18. $(x^2 + 5)(6x^2 - x - 4)$

19. $(6x - 2)(3x^2 + 7x + 1)$

20. Find the area of the rectangle in terms of x :

