

Practice 9-3

Multiplying Binomials

Simplify each product. Write in standard form.

1. $(x + 3)(2x - 5)$

2. $(x^2 + x - 1)(x + 1)$

3. $(3w + 4)(2w - 1)$

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

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

6. $(3y + 7)(4y + 5)$

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

8. $(2r + 1)(3r - 1)$

9. $(k + 4)(3k - 4)$

10. $(2x + 1)(4x + 3)$

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

12. $(6x - 5)(3x + 1)$

13. $(n - 7)(n + 4)$

14. $(3x - 1)(2x + 1)$

15. $(d + 9)(d - 11)$

16. $(2x^2 + 5x - 4)(2x + 7)$

17. $(x^2 + 6x + 11)(3x + 5)$

18. $(5x + 7)(7x + 3)$

19. $(4x - 7)(2x - 5)$

20. $(x - 9)(3x + 5)$

Practice 9-4

Find each product.

Multiplying Special Cases

1. $(w - 2)^2$

3. $(4w + 2)^2$

5. $(3x + 7)^2$

7. $(2x - 9)^2$

9. $(6x + 1)^2$

11. $(x + 8)(x - 8)$

13. $(x - 12)(x + 12)$

15. $(2x + 1)(2x - 1)$

17. $(6x + 1)(6x - 1)$

19. 18^2

21. $(29)(31)$

2. $(y + 4)^2$

4. $(w - 9)^2$

6. $(3x - 7)^2$

8. $(x - 12)^2$

10. $(4x - 7)^2$

12. $(x - 11)(x + 11)$

14. $(y + w)(y - w)$

16. $(5x - 2)(5x + 2)$

18. $(2x - 4)(2x + 4)$

20. $(64)^2$

22. $(19)(42)$

Find the area.


