

Simplify.

1. $6x^2 - 3(x^2 - 3x) + 5(-x + 3) - 9$

2. $8x - 2[2x - 3(x - 2y) - 7y] + 5y$

3. $4a(a^2 - 5a + 7)$

4. $3rt(4r - 2t) - rt(2r - 8t)$

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

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

7. $(r - 3t)^2$

8. $(4a - 5b)(4a + 5b)$

9. $(x - 1)(x^2 - 4x - 2)$

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

11. $2(r - 2)(r - 5) - (r + 4)(2r - 6)$

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

13. $(a + b)^3$

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