

Expanding Single Brackets

Expand the following expressions and simplify where necessary.

1. Expand: $7(x - 3)$

2. Expand: $a(a + 5)$

3. Expand: $-2p(3p + 4q)$

4. Expand: $x^2(x + 4)$

5. Expand: $3y^3(2y^2 - 5)$

6. Expand: $4a^2(3a^3 + 2b^2)$

7. Expand: $2(x + y + 3)$

8. Expand: $5a(a - b + 2c)$

9. Expand and simplify: $4(x + 5) + 3(x - 2)$

10. Expand and simplify: $x(x^2 + 3) - 2x(x - 4)$

11. Expand and simplify: $3p(p^2 + 2q) - q(p^2 - 3)$

12. Find the area of a rectangle with width $5x^2$ and length $3x^2 - 4x + 2$.