

展開 発展編 解答

1 以下の式を展開せよ.

(1) $(2x + 3)(2x + y - 3)$

(2) $(-2b - a)(a - 3b)$

(3) $(a + b - 2c)(a - b + 2c)$

(4) $(x - 2y + 3z)^2$

(5) $(4a - 1)^2(4a + 1)^2$

(6) $-2(2 - 3x)(x + 1)$

(7) $(a + b + c)(a^2 + b^2 + c^2 - ab - bc - ca)$

$$(8) \quad (2x - 3)^3$$

$$(9) \quad (x + 2)(x + 3)(x + 4)(x + 5)$$

$$(10) \quad (a + b - c)^2 - (a + b)(a + b - 2c)$$

$$(11) \quad (a + b + c)(-a + b + c) + (a - b + c)(a + b - c)$$

$$(12) \quad (a + b + c)(-a + b + c)(a - b + c)(a + b - c)$$

$$(13) \quad (a - b)^2(a^2 + ab + b^2)^2$$