

【1】係数付きの平方の公式

$$(1) (3x + 4)^2$$

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

$$(3) (5x - 2)^2$$

$$(4) (2a - 7)^2$$

$$(5) (3x - 1)^2$$

$$(6) (4a + 3)^2$$

$$(7) \left(\frac{1}{2}x + 3\right)^2$$

$$(8) \left(2a - \frac{1}{3}\right)^2$$

【2】係数付きの和と差の積

$$(9) (3x + 4)(3x - 4)$$

$$(10) (4a + 5)(4a - 5)$$

$$(11) (5x + 2)(5x - 2)$$

$$(12) (2a + 7)(2a - 7)$$

$$(13) (3x + 2y)(3x - 2y)$$

$$(14) (4a + 5b)(4a - 5b)$$

$$(15) \left(\frac{1}{2}x + 3\right)\left(\frac{1}{2}x - 3\right)$$

$$(16) \left(2a + \frac{1}{3}\right)\left(2a - \frac{1}{3}\right)$$

【3】共通因数と公式

$$(17) 3(x + 3)^2$$

$$(18) 2(a - 4)^2$$

$$(19) 5(x + 3)(x - 3)$$

$$(20) 4(a + 3b)(a - 3b)$$

$$(21) 2(x + 2y)^2$$

$$(22) 3(a - 3b)^2$$

$$(23) -4(x + 2)(x - 2)$$

$$(24) -5(a + 2b)(a - 2b)$$

【4】公式の総合練習

$$(25) (x + 5 + y)(x + 5 - y)$$

$$(26) (a - 3 + b)(a - 3 - b)$$

$$(27) (2x - 3 + y)(2x - 3 - y)$$

$$(28) (3a + 2b + 5)(3a + 2b - 5)$$

$$(29) (x + 5)(x - 1)$$

$$(30) (a + 1)(a - 7)$$

$$(31) (x + 4)(3x - 2)$$

$$(32) (2a - 6)(4a + 2)$$