

式の展開 係数・2文字 (20問) 版Cの答え

※ 間違いが多いのは、真ん中の項 (x の項・xy の項) の符号です。

$$(1) (3x + 8)(x - 4) \\ = 3x^2 - 4x - 32$$

$$(2) (5x - 2y)^2 \\ = 25x^2 - 20xy + 4y^2$$

$$(3) (x + 5y)(x - 5y) \\ = x^2 - 25y^2$$

$$(4) (2x - 3y)(x - 4y) \\ = 2x^2 - 11xy + 12y^2$$

$$(5) (3x - 5y)(3x - y) \\ = 9x^2 - 18xy + 5y^2$$

$$(6) (2x - 5y)(2x + 3y) \\ = 4x^2 - 4xy - 15y^2$$

$$(7) (4x - y)(x - 5y) \\ = 4x^2 - 21xy + 5y^2$$

$$(8) (4x - 5y)^2 \\ = 16x^2 - 40xy + 25y^2$$

$$(9) (x + 7)(2x + 9) \\ = 2x^2 + 23x + 63$$

$$(10) (2x - 5)(2x - 9) \\ = 4x^2 - 28x + 45$$

$$(11) (x + 1)(5x - 8) \\ = 5x^2 - 3x - 8$$

$$(12) (x + 4y)^2 \\ = x^2 + 8xy + 16y^2$$

$$(13) (3x + 2)(5x - 6) \\ = 15x^2 - 8x - 12$$

$$(14) (2x - 5)(3x + 7) \\ = 6x^2 - x - 35$$

$$(15) (3x + 2)(x - 3) \\ = 3x^2 - 7x - 6$$

$$(16) (x + 2y)(x - 2y) \\ = x^2 - 4y^2$$

$$(17) (4x + 3y)(x - 4y) \\ = 4x^2 - 13xy - 12y^2$$

$$(18) (3x - 4y)(x - 6y) \\ = 3x^2 - 22xy + 24y^2$$

$$(19) (4x + y)(4x - y) \\ = 16x^2 - y^2$$

$$(20) (5x - 8)(4x + 5) \\ = 20x^2 - 7x - 40$$