

式の展開 係数・2文字 (20問) 版B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。

$$(1) (4x + 5y)(4x - 5y) \\ = 16x^2 - 25y^2$$

$$(2) (4x + 3y)^2 \\ = 16x^2 + 24xy + 9y^2$$

$$(3) (x - 6y)(4x + 3y) \\ = 4x^2 - 21xy - 18y^2$$

$$(4) (3x - 2y)(3x - 4y) \\ = 9x^2 - 18xy + 8y^2$$

$$(5) (3x - y)(x - 5y) \\ = 3x^2 - 16xy + 5y^2$$

$$(6) (5x + 9)(x - 9) \\ = 5x^2 - 36x - 81$$

$$(7) (2x - 9)(x + 8) \\ = 2x^2 + 7x - 72$$

$$(8) (3x - 7)(x + 6) \\ = 3x^2 + 11x - 42$$

$$(9) (x - 5y)^2 \\ = x^2 - 10xy + 25y^2$$

$$(10) (2x + 3y)(2x - 3y) \\ = 4x^2 - 9y^2$$

$$(11) (x - 9)(3x + 7) \\ = 3x^2 - 20x - 63$$

$$(12) (5x + 1)(2x - 3) \\ = 10x^2 - 13x - 3$$

$$(13) (x + 9)(4x - 3) \\ = 4x^2 + 33x - 27$$

$$(14) (3x - 5y)(x - 5y) \\ = 3x^2 - 20xy + 25y^2$$

$$(15) (5x + 2y)^2 \\ = 25x^2 + 20xy + 4y^2$$

$$(16) (4x + 3y)(4x - 3y) \\ = 16x^2 - 9y^2$$

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

$$(18) (x - 8)(3x - 7) \\ = 3x^2 - 31x + 56$$

$$(19) (5x + 7)(5x - 1) \\ = 25x^2 + 30x - 7$$

$$(20) (2x - 3y)(x + 2y) \\ = 2x^2 + xy - 6y^2$$