

式の展開 係数・2文字 (20問) 版A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。

$$(1) (3x - 4y)^2 \\ = 9x^2 - 24xy + 16y^2$$

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

$$(3) (2x - y)(4x - 3y) \\ = 8x^2 - 10xy + 3y^2$$

$$(4) (5x + 8)(5x + 9) \\ = 25x^2 + 85x + 72$$

$$(5) (5x + 8)(2x - 9) \\ = 10x^2 - 29x - 72$$

$$(6) (4x + 3y)(4x - 3y) \\ = 16x^2 - 9y^2$$

$$(7) (4x + 3y)(x + 2y) \\ = 4x^2 + 11xy + 6y^2$$

$$(8) (5x + 2)(5x + 3) \\ = 25x^2 + 25x + 6$$

$$(9) (x - 3)(5x + 8) \\ = 5x^2 - 7x - 24$$

$$(10) (2x + 9)(5x - 4) \\ = 10x^2 + 37x - 36$$

$$(11) (3x - 5y)^2 \\ = 9x^2 - 30xy + 25y^2$$

$$(12) (x - 4y)(4x - 5y) \\ = 4x^2 - 21xy + 20y^2$$

$$(13) (5x - 6)(5x + 1) \\ = 25x^2 - 25x - 6$$

$$(14) (x + 3y)(3x - 4y) \\ = 3x^2 + 5xy - 12y^2$$

$$(15) (5x + y)(5x - y) \\ = 25x^2 - y^2$$

$$(16) (3x + 5y)(3x - 5y) \\ = 9x^2 - 25y^2$$

$$(17) (3x + 8)(3x + 5) \\ = 9x^2 + 39x + 40$$

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

$$(19) (2x + 5y)(3x + y) \\ = 6x^2 + 17xy + 5y^2$$

$$(20) (5x + y)^2 \\ = 25x^2 + 10xy + y^2$$