

式の展開 係数・2文字（20問） 版H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。

$$(1) (5x + 4y)^2 \\ = 25x^2 + 40xy + 16y^2$$

$$(2) (5x - 4)(3x + 1) \\ = 15x^2 - 7x - 4$$

$$(3) (3x + 4y)(2x - 5y) \\ = 6x^2 - 7xy - 20y^2$$

$$(4) (3x + 8)(4x + 1) \\ = 12x^2 + 35x + 8$$

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

$$(6) (5x + 3y)^2 \\ = 25x^2 + 30xy + 9y^2$$

$$(7) (3x - 5y)(3x + y) \\ = 9x^2 - 12xy - 5y^2$$

$$(8) (2x - y)(x - 2y) \\ = 2x^2 - 5xy + 2y^2$$

$$(9) (2x + 1)(4x + 1) \\ = 8x^2 + 6x + 1$$

$$(10) (2x + 5y)(3x - 5y) \\ = 6x^2 + 5xy - 25y^2$$

$$(11) (3x + 7)(2x + 5) \\ = 6x^2 + 29x + 35$$

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

$$(13) (3x + 2y)(4x + 5y) \\ = 12x^2 + 23xy + 10y^2$$

$$(14) (3x + 2y)(3x - 2y) \\ = 9x^2 - 4y^2$$

$$(15) (5x + 6y)(5x - 6y) \\ = 25x^2 - 36y^2$$

$$(16) (4x + 3y)(x + 6y) \\ = 4x^2 + 27xy + 18y^2$$

$$(17) (x + 2)(5x - 4) \\ = 5x^2 + 6x - 8$$

$$(18) (4x - 9)(x - 9) \\ = 4x^2 - 45x + 81$$

$$(19) (5x + 9)(x + 7) \\ = 5x^2 + 44x + 63$$

$$(20) (4x + y)^2 \\ = 16x^2 + 8xy + y^2$$