式の展開 係数・2文字（20問）　版A

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $(3x - 4y)^2$ =

(2) $(x - 5)(4x - 5)$ =

(3) $(2x - y)(4x - 3y)$ =

(4) $(5x + 8)(5x + 9)$ =

(5) $(5x + 8)(2x - 9)$ =

(6) $(4x + 3y)(4x - 3y)$ =

(7) $(4x + 3y)(x + 2y)$ =

(8) $(5x + 2)(5x + 3)$ =

(9) $(x - 3)(5x + 8)$ =

(10) $(2x + 9)(5x - 4)$ =

(11) $(3x - 5y)^2$ =

(12) $(x - 4y)(4x - 5y)$ =

(13) $(5x - 6)(5x + 1)$ =

(14) $(x + 3y)(3x - 4y)$ =

(15) $(5x + y)(5x - y)$ =

(16) $(3x + 5y)(3x - 5y)$ =

(17) $(3x + 8)(3x + 5)$ =

(18) $(x - y)(3x + 5y)$ =

(19) $(2x + 5y)(3x + y)$ =

(20) $(5x + y)^2$ =

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