式の展開 係数・2文字（20問）　版C

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $(3x + 8)(x - 4) =$

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

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

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

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

(6) $(2x - 5y)(2x + 3y) =$

(7) $(4x - y)(x - 5y) =$

(8) $(4x - 5y)^2 =$

(9) $(x + 7)(2x + 9) =$

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

(11) $(x + 1)(5x - 8) =$

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

(13) $(3x + 2)(5x - 6) =$

(14) $(2x - 5)(3x + 7) =$

(15) $(3x + 2)(x - 3) =$

(16) $(x + 2y)(x - 2y) =$

(17) $(4x + 3y)(x - 4y) =$

(18) $(3x - 4y)(x - 6y) =$

(19) $(4x + y)(4x - y) =$

(20) $(5x - 8)(4x + 5) =$

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