式の展開 係数・2文字（20問）　版F

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $(x - 7)(3x + 7) =$

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

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

(4) $(3x + 5y)(2x + 3y) =$

(5) $(4x + y)(2x + y) =$

(6) $(4x - 7)(x + 8) =$

(7) $(5x + 2)(4x + 7) =$

(8) $(4x - 5y)(3x + y) =$

(9) $(5x + 4y)^2 =$

(10) $(3x + 2y)^2 =$

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

(12) $(5x + 8)(5x - 9) =$

(13) $(5x + 6y)^2 =$

(14) $(3x + 8)(2x + 5) =$

(15) $(5x + 6y)(5x - 6y) =$

(16) $(2x - 7)(x - 1) =$

(17) $(5x - 2)(x + 8) =$

(18) $(4x + y)(3x + 5y) =$

(19) $(x + 4y)(x + 3y) =$

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

式の展開 係数・2文字（20問）　版F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) $(x - 7)(3x + 7)$
$= 3x^2 - 14x - 49$

(2) $(2x + 5)(2x - 7)$
$= 4x^2 - 4x - 35$

(3) $(6x + y)(6x - y)$
$= 36x^2 - y^2$

(4) $(3x + 5y)(2x + 3y)$
$= 6x^2 + 19xy + 15y^2$

(5) $(4x + y)(2x + y)$
$= 8x^2 + 6xy + y^2$

(6) $(4x - 7)(x + 8)$
$= 4x^2 + 25x - 56$

(7) $(5x + 2)(4x + 7)$
$= 20x^2 + 43x + 14$

(8) $(4x - 5y)(3x + y)$
$= 12x^2 - 11xy - 5y^2$

(9) $(5x + 4y)^2$
$= 25x^2 + 40xy + 16y^2$

(10) $(3x + 2y)^2$
$= 9x^2 + 12xy + 4y^2$

(11) $(x + 2y)(x - 2y)$
$= x^2 - 4y^2$

(12) $(5x + 8)(5x - 9)$
$= 25x^2 - 5x - 72$

(13) $(5x + 6y)^2$
$= 25x^2 + 60xy + 36y^2$

(14) $(3x + 8)(2x + 5)$
$= 6x^2 + 31x + 40$

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

(16) $(2x - 7)(x - 1)$
$= 2x^2 - 9x + 7$

(17) $(5x - 2)(x + 8)$
$= 5x^2 + 38x - 16$

(18) $(4x + y)(3x + 5y)$
$= 12x^2 + 23xy + 5y^2$

(19) $(x + 4y)(x + 3y)$
$= x^2 + 7xy + 12y^2$

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

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