因数分解 たすき掛け（20問）　版B

なまえ：＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $6x^2 + 13xy - 15y^2 =$

(2) $10x^2 - 3xy - 18y^2 =$

(3) $2x^2 + 11x + 15 =$

(4) $30x^2 - 43x - 8 =$

(5) $3x^2 - 23xy + 30y^2 =$

(6) $10x^2 - 7x - 12 =$

(7) $2x^2 - 11x + 12 =$

(8) $6x^2 + 17x - 3 =$

(9) $4x^2 + 31x + 42 =$

(10) $8x^2 - 6xy - 9y^2 =$

(11) $20x^2 + 19x - 6 =$

(12) $30x^2 - 71x + 42 =$

(13) $10x^2 + 29x + 10 =$

(14) $5x^2 - 6x + 1 =$

(15) $12x^2 + 37xy + 21y^2 =$

(16) $8x^2 - 2x - 3 =$

(17) $4x^2 + 31x - 8 =$

(18) $5x^2 + 19xy + 12y^2 =$

(19) $10x^2 - 13x - 3 =$

(20) $4x^2 + 12x - 27 =$

因数分解 たすき掛け（20問）　版Bの答え

※ 余白にたすき掛けの図を書いた跡があるかを見てください。

(1) $6x^2 + 13xy - 15y^2$
$= (x + 3y)(6x - 5y)$

(2) $10x^2 - 3xy - 18y^2$
$= (2x - 3y)(5x + 6y)$

(3) $2x^2 + 11x + 15$
$= (x + 3)(2x + 5)$

(4) $30x^2 - 43x - 8$
$= (5x - 8)(6x + 1)$

(5) $3x^2 - 23xy + 30y^2$
$= (x - 6y)(3x - 5y)$

(6) $10x^2 - 7x - 12$
$= (2x - 3)(5x + 4)$

(7) $2x^2 - 11x + 12$
$= (x - 4)(2x - 3)$

(8) $6x^2 + 17x - 3$
$= (x + 3)(6x - 1)$

(9) $4x^2 + 31x + 42$
$= (x + 6)(4x + 7)$

(10) $8x^2 - 6xy - 9y^2$
$= (2x - 3y)(4x + 3y)$

(11) $20x^2 + 19x - 6$
$= (4x - 1)(5x + 6)$

(12) $30x^2 - 71x + 42$
$= (5x - 6)(6x - 7)$

(13) $10x^2 + 29x + 10$
$= (2x + 5)(5x + 2)$

(14) $5x^2 - 6x + 1$
$= (x - 1)(5x - 1)$

(15) $12x^2 + 37xy + 21y^2$
$= (3x + 7y)(4x + 3y)$

(16) $8x^2 - 2x - 3$
$= (2x + 1)(4x - 3)$

(17) $4x^2 + 31x - 8$
$= (x + 8)(4x - 1)$

(18) $5x^2 + 19xy + 12y^2$
$= (x + 3y)(5x + 4y)$

(19) $10x^2 - 13x - 3$
$= (2x - 3)(5x + 1)$

(20) $4x^2 + 12x - 27$
$= (2x - 3)(2x + 9)$