因数分解 たすき掛け（20問）　版M

なまえ：＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $15x^2 + 19xy + 6y^2 =$

(2) $20x^2 + 33x - 27 =$

(3) $2x^2 + 9x + 4 =$

(4) $25x^2 + 65x + 36 =$

(5) $15x^2 + 29x + 8 =$

(6) $25x^2 - 50x + 9 =$

(7) $12x^2 - 28xy + 15y^2 =$

(8) $12x^2 + 68x + 63 =$

(9) $10x^2 - 17xy - 20y^2 =$

(10) $16x^2 + 16x - 21 =$

(11) $6x^2 + 37x - 35 =$

(12) $2x^2 + x - 6 =$

(13) $24x^2 + 10xy - 25y^2 =$

(14) $15x^2 - 29x + 8 =$

(15) $4x^2 + 20xy + 21y^2 =$

(16) $4x^2 + 7xy + 3y^2 =$

(17) $4x^2 + 3x - 27 =$

(18) $5x^2 - 38x - 16 =$

(19) $20x^2 - 63x + 49 =$

(20) $15x^2 + 32x + 9 =$

因数分解 たすき掛け（20問）　版M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) $15x^2 + 19xy + 6y^2$
$= (3x + 2y)(5x + 3y)$

(2) $20x^2 + 33x - 27$
$= (4x + 9)(5x - 3)$

(3) $2x^2 + 9x + 4$
$= (x + 4)(2x + 1)$

(4) $25x^2 + 65x + 36$
$= (5x + 4)(5x + 9)$

(5) $15x^2 + 29x + 8$
$= (3x + 1)(5x + 8)$

(6) $25x^2 - 50x + 9$
$= (5x - 9)(5x - 1)$

(7) $12x^2 - 28xy + 15y^2$
$= (2x - 3y)(6x - 5y)$

(8) $12x^2 + 68x + 63$
$= (2x + 9)(6x + 7)$

(9) $10x^2 - 17xy - 20y^2$
$= (2x - 5y)(5x + 4y)$

(10) $16x^2 + 16x - 21$
$= (4x - 3)(4x + 7)$

(11) $6x^2 + 37x - 35$
$= (x + 7)(6x - 5)$

(12) $2x^2 + x - 6$
$= (x + 2)(2x - 3)$

(13) $24x^2 + 10xy - 25y^2$
$= (4x + 5y)(6x - 5y)$

(14) $15x^2 - 29x + 8$
$= (3x - 1)(5x - 8)$

(15) $4x^2 + 20xy + 21y^2$
$= (2x + 3y)(2x + 7y)$

(16) $4x^2 + 7xy + 3y^2$
$= (x + y)(4x + 3y)$

(17) $4x^2 + 3x - 27$
$= (x + 3)(4x - 9)$

(18) $5x^2 - 38x - 16$
$= (x - 8)(5x + 2)$

(19) $20x^2 - 63x + 49$
$= (4x - 7)(5x - 7)$

(20) $15x^2 + 32x + 9$
$= (3x + 1)(5x + 9)$