因数分解 たすき掛け（20問）　版P

なまえ：＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $10x^2 - 33x + 27 =$

(2) $3x^2 + 23x - 36 =$

(3) $10x^2 + 27xy + 5y^2 =$

(4) $6x^2 + 7x - 49 =$

(5) $10x^2 - 29x - 21 =$

(6) $4x^2 - 13xy - 35y^2 =$

(7) $5x^2 + 28xy + 15y^2 =$

(8) $4x^2 + 39x + 56 =$

(9) $3x^2 + 13x + 14 =$

(10) $3x^2 - 16xy - 12y^2 =$

(11) $4x^2 + 31x + 21 =$

(12) $8x^2 + 42x + 27 =$

(13) $6x^2 - 23x - 35 =$

(14) $16x^2 - 48xy + 35y^2 =$

(15) $15x^2 - 11x - 56 =$

(16) $12x^2 - 31xy + 7y^2 =$

(17) $20x^2 + 59x + 42 =$

(18) $25x^2 + 55x + 24 =$

(19) $25x^2 + 50x + 24 =$

(20) $6x^2 + 31x - 30 =$

因数分解 たすき掛け（20問）　版P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) $10x^2 - 33x + 27$
$= (2x - 3)(5x - 9)$

(2) $3x^2 + 23x - 36$
$= (x + 9)(3x - 4)$

(3) $10x^2 + 27xy + 5y^2$
$= (2x + 5y)(5x + y)$

(4) $6x^2 + 7x - 49$
$= (2x + 7)(3x - 7)$

(5) $10x^2 - 29x - 21$
$= (2x - 7)(5x + 3)$

(6) $4x^2 - 13xy - 35y^2$
$= (x - 5y)(4x + 7y)$

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

(8) $4x^2 + 39x + 56$
$= (x + 8)(4x + 7)$

(9) $3x^2 + 13x + 14$
$= (x + 2)(3x + 7)$

(10) $3x^2 - 16xy - 12y^2$
$= (x - 6y)(3x + 2y)$

(11) $4x^2 + 31x + 21$
$= (x + 7)(4x + 3)$

(12) $8x^2 + 42x + 27$
$= (2x + 9)(4x + 3)$

(13) $6x^2 - 23x - 35$
$= (x - 5)(6x + 7)$

(14) $16x^2 - 48xy + 35y^2$
$= (4x - 7y)(4x - 5y)$

(15) $15x^2 - 11x - 56$
$= (3x - 7)(5x + 8)$

(16) $12x^2 - 31xy + 7y^2$
$= (3x - 7y)(4x - y)$

(17) $20x^2 + 59x + 42$
$= (4x + 7)(5x + 6)$

(18) $25x^2 + 55x + 24$
$= (5x + 3)(5x + 8)$

(19) $25x^2 + 50x + 24$
$= (5x + 4)(5x + 6)$

(20) $6x^2 + 31x - 30$
$= (x + 6)(6x - 5)$