因数分解 たすき掛け（20問）　版I

なまえ：＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $25x^2 - 49y^2 =$

(2) $25x^2 - 50x + 21 =$

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

(4) $36x^2 - y^2 =$

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

(6) $5x^2 - 21x - 20 =$

(7) $8x^2 + 14x - 49 =$

(8) $24x^2 - 26x - 63 =$

(9) $24x^2 - 22xy + 3y^2 =$

(10) $6x^2 + 17xy + 7y^2 =$

(11) $4x^2 - 31x + 42 =$

(12) $12x^2 + 43x + 35 =$

(13) $10x^2 - 29x - 72 =$

(14) $5x^2 + 31x - 72 =$

(15) $25x^2 + 50x + 9 =$

(16) $8x^2 + 30x + 25 =$

(17) $20x^2 - 19x - 28 =$

(18) $6x^2 - 13x + 7 =$

(19) $3x^2 - 19xy + 28y^2 =$

(20) $4x^2 - 37x + 63 =$

因数分解 たすき掛け（20問）　版I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) $25x^2 - 49y^2$
$= (5x - 7y)(5x + 7y)$

(2) $25x^2 - 50x + 21$
$= (5x - 7)(5x - 3)$

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

(4) $36x^2 - y^2$
$= (6x - y)(6x + y)$

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

(6) $5x^2 - 21x - 20$
$= (x - 5)(5x + 4)$

(7) $8x^2 + 14x - 49$
$= (2x + 7)(4x - 7)$

(8) $24x^2 - 26x - 63$
$= (4x - 9)(6x + 7)$

(9) $24x^2 - 22xy + 3y^2$
$= (4x - 3y)(6x - y)$

(10) $6x^2 + 17xy + 7y^2$
$= (2x + y)(3x + 7y)$

(11) $4x^2 - 31x + 42$
$= (x - 6)(4x - 7)$

(12) $12x^2 + 43x + 35$
$= (3x + 7)(4x + 5)$

(13) $10x^2 - 29x - 72$
$= (2x - 9)(5x + 8)$

(14) $5x^2 + 31x - 72$
$= (x + 8)(5x - 9)$

(15) $25x^2 + 50x + 9$
$= (5x + 1)(5x + 9)$

(16) $8x^2 + 30x + 25$
$= (2x + 5)(4x + 5)$

(17) $20x^2 - 19x - 28$
$= (4x - 7)(5x + 4)$

(18) $6x^2 - 13x + 7$
$= (x - 1)(6x - 7)$

(19) $3x^2 - 19xy + 28y^2$
$= (x - 4y)(3x - 7y)$

(20) $4x^2 - 37x + 63$
$= (x - 7)(4x - 9)$