因数分解 たすき掛け（20問）　版E

なまえ：＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $12x^2 + 37x + 28 =$

(2) $4x^2 + 24x + 35 =$

(3) $18x^2 + 39x + 20 =$

(4) $30x^2 - 37x - 7 =$

(5) $15x^2 + 16xy - 7y^2 =$

(6) $16x^2 - 8x - 35 =$

(7) $20x^2 - 23xy - 21y^2 =$

(8) $18x^2 + 9x - 20 =$

(9) $12x^2 + 43x + 36 =$

(10) $3x^2 + 17x + 24 =$

(11) $15x^2 + 44xy + 21y^2 =$

(12) $20x^2 - 19x - 6 =$

(13) $12x^2 + 7xy - 12y^2 =$

(14) $24x^2 + 58x + 35 =$

(15) $5x^2 - 7x - 24 =$

(16) $3x^2 + 14x + 16 =$

(17) $10x^2 + 51x + 27 =$

(18) $2x^2 + 7xy + 5y^2 =$

(19) $6x^2 + 29x - 42 =$

(20) $15x^2 - 29xy + 12y^2 =$

因数分解 たすき掛け（20問）　版E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) $12x^2 + 37x + 28$
$= (3x + 4)(4x + 7)$

(2) $4x^2 + 24x + 35$
$= (2x + 5)(2x + 7)$

(3) $18x^2 + 39x + 20$
$= (3x + 4)(6x + 5)$

(4) $30x^2 - 37x - 7$
$= (5x - 7)(6x + 1)$

(5) $15x^2 + 16xy - 7y^2$
$= (3x - y)(5x + 7y)$

(6) $16x^2 - 8x - 35$
$= (4x - 7)(4x + 5)$

(7) $20x^2 - 23xy - 21y^2$
$= (4x - 7y)(5x + 3y)$

(8) $18x^2 + 9x - 20$
$= (3x + 4)(6x - 5)$

(9) $12x^2 + 43x + 36$
$= (3x + 4)(4x + 9)$

(10) $3x^2 + 17x + 24$
$= (x + 3)(3x + 8)$

(11) $15x^2 + 44xy + 21y^2$
$= (3x + 7y)(5x + 3y)$

(12) $20x^2 - 19x - 6$
$= (4x + 1)(5x - 6)$

(13) $12x^2 + 7xy - 12y^2$
$= (3x + 4y)(4x - 3y)$

(14) $24x^2 + 58x + 35$
$= (4x + 5)(6x + 7)$

(15) $5x^2 - 7x - 24$
$= (x - 3)(5x + 8)$

(16) $3x^2 + 14x + 16$
$= (x + 2)(3x + 8)$

(17) $10x^2 + 51x + 27$
$= (2x + 9)(5x + 3)$

(18) $2x^2 + 7xy + 5y^2$
$= (x + y)(2x + 5y)$

(19) $6x^2 + 29x - 42$
$= (x + 6)(6x - 7)$

(20) $15x^2 - 29xy + 12y^2$
$= (3x - 4y)(5x - 3y)$