因数分解 たすき掛け（20問）　版O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。

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(1) $12x^2 + 31x + 20$
$= (3x + 4)(4x + 5)$

(2) $4x^2 - 23x - 35$
$= (x - 7)(4x + 5)$

(3) $18x^2 - 9xy + y^2$
$= (3x - y)(6x - y)$

(4) $4x^2 + 9x + 5$
$= (x + 1)(4x + 5)$

(5) $4x^2 - 31x - 8$
$= (x - 8)(4x + 1)$

(6) $24x^2 - 46xy + 7y^2$
$= (4x - 7y)(6x - y)$

(7) $3x^2 - 22xy + 24y^2$
$= (x - 6y)(3x - 4y)$

(8) $8x^2 + 30x + 27$
$= (2x + 3)(4x + 9)$

(9) $15x^2 - 17x - 4$
$= (3x - 4)(5x + 1)$

(10) $5x^2 + 8x - 21$
$= (x + 3)(5x - 7)$

(11) $10x^2 - 17x + 6$
$= (2x - 1)(5x - 6)$

(12) $3x^2 - 14x + 15$
$= (x - 3)(3x - 5)$

(13) $12x^2 + 43xy + 35y^2$
$= (3x + 7y)(4x + 5y)$

(14) $6x^2 - 7x - 24$
$= (2x + 3)(3x - 8)$

(15) $3x^2 - 11xy - 42y^2$
$= (x - 6y)(3x + 7y)$

(16) $5x^2 + 11x - 12$
$= (x + 3)(5x - 4)$

(17) $2x^2 - 21x + 54$
$= (x - 6)(2x - 9)$

(18) $24x^2 + 14x - 3$
$= (4x + 3)(6x - 1)$

(19) $10x^2 - x - 21$
$= (2x - 3)(5x + 7)$

(20) $24x^2 - 2xy - 15y^2$
$= (4x + 3y)(6x - 5y)$