因数分解 たすき掛け（20問）　版L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) $15x^2 + 46x + 16$
$= (3x + 8)(5x + 2)$

(2) $3x^2 - 10x + 3$
$= (x - 3)(3x - 1)$

(3) $2x^2 - 5xy - 42y^2$
$= (x - 6y)(2x + 7y)$

(4) $6x^2 + 23xy - 4y^2$
$= (x + 4y)(6x - y)$

(5) $18x^2 - 15x - 7$
$= (3x + 1)(6x - 7)$

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

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

(8) $9x^2 + 18xy - 7y^2$
$= (3x - y)(3x + 7y)$

(9) $12x^2 + 7xy + y^2$
$= (3x + y)(4x + y)$

(10) $18x^2 - 9x + 1$
$= (3x - 1)(6x - 1)$

(11) $12x^2 - 7x + 1$
$= (3x - 1)(4x - 1)$

(12) $4x^2 + 17x - 42$
$= (x + 6)(4x - 7)$

(13) $4x^2 + 23x + 28$
$= (x + 4)(4x + 7)$

(14) $5x^2 + 6x - 27$
$= (x + 3)(5x - 9)$

(15) $12x^2 - 8xy - 7y^2$
$= (2x + y)(6x - 7y)$

(16) $10x^2 - 49x + 18$
$= (2x - 9)(5x - 2)$

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

(18) $30x^2 - 7x - 2$
$= (5x - 2)(6x + 1)$

(19) $10x^2 - 29x - 21$
$= (2x - 7)(5x + 3)$

(20) $6x^2 - 11x - 7$
$= (2x + 1)(3x - 7)$