因数分解 たすき掛け（20問）　版A

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $10x^2 - 13xy + 4y^2 =$

(2) $16x^2 - 16x - 45 =$

(3) $3x^2 + 28x + 32 =$

(4) $15x^2 + 38x + 7 =$

(5) $3x^2 - 7x - 20 =$

(6) $15x^2 - 31xy + 10y^2 =$

(7) $2x^2 + 17x + 30 =$

(8) $6x^2 - 17x - 28 =$

(9) $9x^2 + 18x + 5 =$

(10) $20x^2 - 37x + 15 =$

(11) $5x^2 - 36xy + 7y^2 =$

(12) $3x^2 - 17x + 10 =$

(13) $10x^2 - 13x - 3 =$

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

(15) $20x^2 + 17x - 10 =$

(16) $20x^2 - 43x + 21 =$

(17) $15x^2 + 28xy + 5y^2 =$

(18) $24x^2 + 14x - 5 =$

(19) $30x^2 + xy - 20y^2 =$

(20) $20x^2 - 43xy + 21y^2 =$

因数分解 たすき掛け（20問）　版B

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $6x^2 + 13xy - 15y^2 =$

(2) $10x^2 - 3xy - 18y^2 =$

(3) $2x^2 + 11x + 15 =$

(4) $30x^2 - 43x - 8 =$

(5) $3x^2 - 23xy + 30y^2 =$

(6) $10x^2 - 7x - 12 =$

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

(8) $6x^2 + 17x - 3 =$

(9) $4x^2 + 31x + 42 =$

(10) $8x^2 - 6xy - 9y^2 =$

(11) $20x^2 + 19x - 6 =$

(12) $30x^2 - 71x + 42 =$

(13) $10x^2 + 29x + 10 =$

(14) $5x^2 - 6x + 1 =$

(15) $12x^2 + 37xy + 21y^2 =$

(16) $8x^2 - 2x - 3 =$

(17) $4x^2 + 31x - 8 =$

(18) $5x^2 + 19xy + 12y^2 =$

(19) $10x^2 - 13x - 3 =$

(20) $4x^2 + 12x - 27 =$

因数分解 たすき掛け（20問）　版C

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $25x^2 + 25xy + 4y^2 =$

(2) $12x^2 + 23x - 24 =$

(3) $15x^2 + 14x + 3 =$

(4) $12x^2 - 4xy - 5y^2 =$

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

(6) $6x^2 - 29x - 5 =$

(7) $15x^2 - 43xy + 30y^2 =$

(8) $12x^2 - 19x + 5 =$

(9) $6x^2 - 7x + 1 =$

(10) $30x^2 + x - 20 =$

(11) $4x^2 + 27x - 40 =$

(12) $15x^2 - 17xy - 4y^2 =$

(13) $15x^2 - 4x - 3 =$

(14) $25x^2 - 5x - 6 =$

(15) $20x^2 + 9x - 18 =$

(16) $4x^2 - 13x - 12 =$

(17) $12x^2 - 23xy + 5y^2 =$

(18) $10x^2 + 33x - 54 =$

(19) $15x^2 + 4xy - 4y^2 =$

(20) $5x^2 + 23x - 42 =$

因数分解 たすき掛け（20問）　版D

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $20x^2 - 23xy + 6y^2 =$

(2) $5x^2 - 42x - 27 =$

(3) $5x^2 - 23x - 42 =$

(4) $6x^2 + 11x + 5 =$

(5) $5x^2 - 37x - 72 =$

(6) $3x^2 - 16x + 5 =$

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

(8) $15x^2 - 7x - 36 =$

(9) $8x^2 + 26x + 21 =$

(10) $4x^2 - 3xy - 10y^2 =$

(11) $3x^2 + 14x + 16 =$

(12) $6x^2 + 31x + 40 =$

(13) $6x^2 + 11x - 21 =$

(14) $4x^2 - xy - 5y^2 =$

(15) $12x^2 - 17x + 6 =$

(16) $18x^2 - 45xy + 7y^2 =$

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

(18) $15x^2 - 19x + 6 =$

(19) $15x^2 + 23x + 4 =$

(20) $15x^2 - 11xy - 14y^2 =$

因数分解 たすき掛け（20問）　版E

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(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F

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $5x^2 + 44x - 9 =$

(2) $15x^2 - 19x - 10 =$

(3) $20x^2 - 27x - 14 =$

(4) $20x^2 - 41x + 9 =$

(5) $36x^2 - 24xy - 5y^2 =$

(6) $18x^2 - 39xy - 7y^2 =$

(7) $9x^2 + 24x + 7 =$

(8) $2x^2 - 17x + 30 =$

(9) $2x^2 + 5x - 42 =$

(10) $20x^2 - 23xy - 7y^2 =$

(11) $20x^2 - 29x + 6 =$

(12) $10x^2 + xy - 21y^2 =$

(13) $30x^2 - 77x + 49 =$

(14) $30x^2 + 23x - 14 =$

(15) $5x^2 - 18x - 35 =$

(16) $3x^2 - 17xy - 6y^2 =$

(17) $12x^2 - 23x + 10 =$

(18) $5x^2 + 31xy + 30y^2 =$

(19) $15x^2 - 13x - 6 =$

(20) $16x^2 - 48x + 35 =$

因数分解 たすき掛け（20問）　版G

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $6x^2 - 53x + 40 =$

(2) $25x^2 - 5x - 72 =$

(3) $15x^2 + 19xy - 10y^2 =$

(4) $30x^2 - 47xy + 7y^2 =$

(5) $10x^2 - 7x - 6 =$

(6) $15x^2 + 14x - 8 =$

(7) $10x^2 - 49x + 49 =$

(8) $2x^2 + 9xy + 4y^2 =$

(9) $24x^2 - 2x - 15 =$

(10) $4x^2 + 21x + 27 =$

(11) $5x^2 - 28x + 15 =$

(12) $30x^2 - 17xy + 2y^2 =$

(13) $25x^2 + 30xy - 7y^2 =$

(14) $6x^2 - 25x + 21 =$

(15) $18x^2 - 33x + 14 =$

(16) $5x^2 - 17x - 12 =$

(17) $4x^2 + 23xy + 15y^2 =$

(18) $36x^2 - 1 =$

(19) $15x^2 - 17x - 18 =$

(20) $20x^2 - 47x + 21 =$

因数分解 たすき掛け（20問）　版H

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $6x^2 + 13xy + 2y^2 =$

(2) $30x^2 + 37x + 10 =$

(3) $5x^2 + 24x - 36 =$

(4) $2x^2 - 15xy + 7y^2 =$

(5) $3x^2 - 34x + 63 =$

(6) $15x^2 - 67x + 72 =$

(7) $3x^2 - xy - 2y^2 =$

(8) $20x^2 - 7xy - 3y^2 =$

(9) $16x^2 + 8x - 3 =$

(10) $5x^2 - 14x + 8 =$

(11) $6x^2 - 43x - 40 =$

(12) $6x^2 + x - 12 =$

(13) $8x^2 - 6x - 27 =$

(14) $5x^2 + 13x - 28 =$

(15) $3x^2 - 25x + 42 =$

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

(17) $12x^2 - 41xy + 35y^2 =$

(18) $10x^2 + x - 21 =$

(19) $16x^2 - 24xy - 7y^2 =$

(20) $20x^2 + 3x - 2 =$

因数分解 たすき掛け（20問）　版I

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(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J

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

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

(2) $6x^2 + 49x - 45 =$

(3) $18x^2 - 45x + 25 =$

(4) $25x^2 - 25x - 36 =$

(5) $6x^2 + 25xy + 4y^2 =$

(6) $8x^2 - 14x + 5 =$

(7) $15x^2 - 8x - 16 =$

(8) $6x^2 + 19xy - 20y^2 =$

(9) $5x^2 + 13x + 8 =$

(10) $9x^2 + 21x + 10 =$

(11) $6x^2 - 37xy + 6y^2 =$

(12) $9x^2 + 36x + 32 =$

(13) $15x^2 + 23x + 6 =$

(14) $10x^2 + 27xy + 18y^2 =$

(15) $5x^2 - 36x - 32 =$

(16) $20x^2 - 43x + 21 =$

(17) $6x^2 - 17x - 45 =$

(18) $30x^2 + x - 20 =$

(19) $4x^2 - 15xy - 25y^2 =$

(20) $4x^2 + 29xy + 7y^2 =$

因数分解 たすき掛け（20問）　版K

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $6x^2 + 7x - 49 =$

(2) $5x^2 - 27x + 28 =$

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

(4) $30x^2 + 49xy + 20y^2 =$

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

(6) $8x^2 + 6x + 1 =$

(7) $15x^2 + 46x + 35 =$

(8) $6x^2 + 41x - 56 =$

(9) $20x^2 + x - 1 =$

(10) $18x^2 - 15x - 7 =$

(11) $5x^2 + 2xy - 7y^2 =$

(12) $18x^2 - 45xy + 25y^2 =$

(13) $24x^2 - 2xy - y^2 =$

(14) $5x^2 + 8xy - 21y^2 =$

(15) $4x^2 - 11x + 7 =$

(16) $15x^2 - 22x - 5 =$

(17) $30x^2 + 19x - 4 =$

(18) $2x^2 - 9x - 56 =$

(19) $8x^2 - 18x + 7 =$

(20) $5x^2 - 28x - 49 =$

因数分解 たすき掛け（20問）　版L

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $15x^2 + 46x + 16 =$

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

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

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

(5) $18x^2 - 15x - 7 =$

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

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

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

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

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

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

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

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

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

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

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

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

(18) $30x^2 - 7x - 2 =$

(19) $10x^2 - 29x - 21 =$

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

因数分解 たすき掛け（20問）　版M

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $15x^2 + 19xy + 6y^2 =$

(2) $20x^2 + 33x - 27 =$

(3) $2x^2 + 9x + 4 =$

(4) $25x^2 + 65x + 36 =$

(5) $15x^2 + 29x + 8 =$

(6) $25x^2 - 50x + 9 =$

(7) $12x^2 - 28xy + 15y^2 =$

(8) $12x^2 + 68x + 63 =$

(9) $10x^2 - 17xy - 20y^2 =$

(10) $16x^2 + 16x - 21 =$

(11) $6x^2 + 37x - 35 =$

(12) $2x^2 + x - 6 =$

(13) $24x^2 + 10xy - 25y^2 =$

(14) $15x^2 - 29x + 8 =$

(15) $4x^2 + 20xy + 21y^2 =$

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

(17) $4x^2 + 3x - 27 =$

(18) $5x^2 - 38x - 16 =$

(19) $20x^2 - 63x + 49 =$

(20) $15x^2 + 32x + 9 =$

因数分解 たすき掛け（20問）　版N

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $5x^2 + 52x + 63 =$

(2) $6x^2 + 23x + 21 =$

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

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

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

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

(7) $5x^2 + 24x - 36 =$

(8) $25x^2 - 10x - 63 =$

(9) $10x^2 + 9x - 40 =$

(10) $10x^2 + 23xy - 42y^2 =$

(11) $4x^2 - 16xy + 7y^2 =$

(12) $4x^2 - 31xy + 42y^2 =$

(13) $9x^2 - 3x - 56 =$

(14) $4x^2 + 4x - 63 =$

(15) $25x^2 + 20xy - 12y^2 =$

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

(17) $2x^2 - 9xy - 5y^2 =$

(18) $8x^2 + 2x - 45 =$

(19) $16x^2 - 40x + 9 =$

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

因数分解 たすき掛け（20問）　版O

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

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

(2) $4x^2 - 23x - 35 =$

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

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

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

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

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

(8) $8x^2 + 30x + 27 =$

(9) $15x^2 - 17x - 4 =$

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

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

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

(13) $12x^2 + 43xy + 35y^2 =$

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

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

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

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

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

(19) $10x^2 - x - 21 =$

(20) $24x^2 - 2xy - 15y^2 =$

因数分解 たすき掛け（20問）　版P

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(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Q

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／20問

(1) $5x^2 - xy - 6y^2 =$

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

(3) $12x^2 + 28x - 5 =$

(4) $4x^2 - 23xy + 15y^2 =$

(5) $4x^2 + 33x + 35 =$

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

(7) $6x^2 + 43x + 7 =$

(8) $30x^2 - 53xy + 21y^2 =$

(9) $20x^2 - 47xy + 21y^2 =$

(10) $4x^2 - 4x - 35 =$

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

(12) $10x^2 + 41x + 21 =$

(13) $15x^2 - 38xy + 7y^2 =$

(14) $20x^2 - 73x + 63 =$

(15) $6x^2 + 35x - 6 =$

(16) $5x^2 - xy - 4y^2 =$

(17) $6x^2 + 29x + 28 =$

(18) $15x^2 - 8x - 16 =$

(19) $8x^2 + 46x + 45 =$

(20) $12x^2 + 32x - 35 =$

因数分解 たすき掛け（20問）　版A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) $10x^2 - 13xy + 4y^2$
$= (2x - y)(5x - 4y)$

(2) $16x^2 - 16x - 45$
$= (4x - 9)(4x + 5)$

(3) $3x^2 + 28x + 32$
$= (x + 8)(3x + 4)$

(4) $15x^2 + 38x + 7$
$= (3x + 7)(5x + 1)$

(5) $3x^2 - 7x - 20$
$= (x - 4)(3x + 5)$

(6) $15x^2 - 31xy + 10y^2$
$= (3x - 5y)(5x - 2y)$

(7) $2x^2 + 17x + 30$
$= (x + 6)(2x + 5)$

(8) $6x^2 - 17x - 28$
$= (x - 4)(6x + 7)$

(9) $9x^2 + 18x + 5$
$= (3x + 1)(3x + 5)$

(10) $20x^2 - 37x + 15$
$= (4x - 5)(5x - 3)$

(11) $5x^2 - 36xy + 7y^2$
$= (x - 7y)(5x - y)$

(12) $3x^2 - 17x + 10$
$= (x - 5)(3x - 2)$

(13) $10x^2 - 13x - 3$
$= (2x - 3)(5x + 1)$

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

(15) $20x^2 + 17x - 10$
$= (4x + 5)(5x - 2)$

(16) $20x^2 - 43x + 21$
$= (4x - 3)(5x - 7)$

(17) $15x^2 + 28xy + 5y^2$
$= (3x + 5y)(5x + y)$

(18) $24x^2 + 14x - 5$
$= (4x - 1)(6x + 5)$

(19) $30x^2 + xy - 20y^2$
$= (5x - 4y)(6x + 5y)$

(20) $20x^2 - 43xy + 21y^2$
$= (4x - 3y)(5x - 7y)$

因数分解 たすき掛け（20問）　版B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) $6x^2 + 13xy - 15y^2$
$= (x + 3y)(6x - 5y)$

(2) $10x^2 - 3xy - 18y^2$
$= (2x - 3y)(5x + 6y)$

(3) $2x^2 + 11x + 15$
$= (x + 3)(2x + 5)$

(4) $30x^2 - 43x - 8$
$= (5x - 8)(6x + 1)$

(5) $3x^2 - 23xy + 30y^2$
$= (x - 6y)(3x - 5y)$

(6) $10x^2 - 7x - 12$
$= (2x - 3)(5x + 4)$

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

(8) $6x^2 + 17x - 3$
$= (x + 3)(6x - 1)$

(9) $4x^2 + 31x + 42$
$= (x + 6)(4x + 7)$

(10) $8x^2 - 6xy - 9y^2$
$= (2x - 3y)(4x + 3y)$

(11) $20x^2 + 19x - 6$
$= (4x - 1)(5x + 6)$

(12) $30x^2 - 71x + 42$
$= (5x - 6)(6x - 7)$

(13) $10x^2 + 29x + 10$
$= (2x + 5)(5x + 2)$

(14) $5x^2 - 6x + 1$
$= (x - 1)(5x - 1)$

(15) $12x^2 + 37xy + 21y^2$
$= (3x + 7y)(4x + 3y)$

(16) $8x^2 - 2x - 3$
$= (2x + 1)(4x - 3)$

(17) $4x^2 + 31x - 8$
$= (x + 8)(4x - 1)$

(18) $5x^2 + 19xy + 12y^2$
$= (x + 3y)(5x + 4y)$

(19) $10x^2 - 13x - 3$
$= (2x - 3)(5x + 1)$

(20) $4x^2 + 12x - 27$
$= (2x - 3)(2x + 9)$

因数分解 たすき掛け（20問）　版C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) $25x^2 + 25xy + 4y^2$
$= (5x + y)(5x + 4y)$

(2) $12x^2 + 23x - 24$
$= (3x + 8)(4x - 3)$

(3) $15x^2 + 14x + 3$
$= (3x + 1)(5x + 3)$

(4) $12x^2 - 4xy - 5y^2$
$= (2x + y)(6x - 5y)$

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

(6) $6x^2 - 29x - 5$
$= (x - 5)(6x + 1)$

(7) $15x^2 - 43xy + 30y^2$
$= (3x - 5y)(5x - 6y)$

(8) $12x^2 - 19x + 5$
$= (3x - 1)(4x - 5)$

(9) $6x^2 - 7x + 1$
$= (x - 1)(6x - 1)$

(10) $30x^2 + x - 20$
$= (5x - 4)(6x + 5)$

(11) $4x^2 + 27x - 40$
$= (x + 8)(4x - 5)$

(12) $15x^2 - 17xy - 4y^2$
$= (3x - 4y)(5x + y)$

(13) $15x^2 - 4x - 3$
$= (3x + 1)(5x - 3)$

(14) $25x^2 - 5x - 6$
$= (5x - 3)(5x + 2)$

(15) $20x^2 + 9x - 18$
$= (4x - 3)(5x + 6)$

(16) $4x^2 - 13x - 12$
$= (x - 4)(4x + 3)$

(17) $12x^2 - 23xy + 5y^2$
$= (3x - 5y)(4x - y)$

(18) $10x^2 + 33x - 54$
$= (2x + 9)(5x - 6)$

(19) $15x^2 + 4xy - 4y^2$
$= (3x + 2y)(5x - 2y)$

(20) $5x^2 + 23x - 42$
$= (x + 6)(5x - 7)$

因数分解 たすき掛け（20問）　版D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) $20x^2 - 23xy + 6y^2$
$= (4x - 3y)(5x - 2y)$

(2) $5x^2 - 42x - 27$
$= (x - 9)(5x + 3)$

(3) $5x^2 - 23x - 42$
$= (x - 6)(5x + 7)$

(4) $6x^2 + 11x + 5$
$= (x + 1)(6x + 5)$

(5) $5x^2 - 37x - 72$
$= (x - 9)(5x + 8)$

(6) $3x^2 - 16x + 5$
$= (x - 5)(3x - 1)$

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

(8) $15x^2 - 7x - 36$
$= (3x + 4)(5x - 9)$

(9) $8x^2 + 26x + 21$
$= (2x + 3)(4x + 7)$

(10) $4x^2 - 3xy - 10y^2$
$= (x - 2y)(4x + 5y)$

(11) $3x^2 + 14x + 16$
$= (x + 2)(3x + 8)$

(12) $6x^2 + 31x + 40$
$= (2x + 5)(3x + 8)$

(13) $6x^2 + 11x - 21$
$= (x + 3)(6x - 7)$

(14) $4x^2 - xy - 5y^2$
$= (x + y)(4x - 5y)$

(15) $12x^2 - 17x + 6$
$= (3x - 2)(4x - 3)$

(16) $18x^2 - 45xy + 7y^2$
$= (3x - 7y)(6x - y)$

(17) $3x^2 - 10x + 3$
$= (x - 3)(3x - 1)$

(18) $15x^2 - 19x + 6$
$= (3x - 2)(5x - 3)$

(19) $15x^2 + 23x + 4$
$= (3x + 4)(5x + 1)$

(20) $15x^2 - 11xy - 14y^2$
$= (3x + 2y)(5x - 7y)$

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

因数分解 たすき掛け（20問）　版F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) $5x^2 + 44x - 9$
$= (x + 9)(5x - 1)$

(2) $15x^2 - 19x - 10$
$= (3x - 5)(5x + 2)$

(3) $20x^2 - 27x - 14$
$= (4x - 7)(5x + 2)$

(4) $20x^2 - 41x + 9$
$= (4x - 1)(5x - 9)$

(5) $36x^2 - 24xy - 5y^2$
$= (6x - 5y)(6x + y)$

(6) $18x^2 - 39xy - 7y^2$
$= (3x - 7y)(6x + y)$

(7) $9x^2 + 24x + 7$
$= (3x + 1)(3x + 7)$

(8) $2x^2 - 17x + 30$
$= (x - 6)(2x - 5)$

(9) $2x^2 + 5x - 42$
$= (x + 6)(2x - 7)$

(10) $20x^2 - 23xy - 7y^2$
$= (4x + y)(5x - 7y)$

(11) $20x^2 - 29x + 6$
$= (4x - 1)(5x - 6)$

(12) $10x^2 + xy - 21y^2$
$= (2x + 3y)(5x - 7y)$

(13) $30x^2 - 77x + 49$
$= (5x - 7)(6x - 7)$

(14) $30x^2 + 23x - 14$
$= (5x - 2)(6x + 7)$

(15) $5x^2 - 18x - 35$
$= (x - 5)(5x + 7)$

(16) $3x^2 - 17xy - 6y^2$
$= (x - 6y)(3x + y)$

(17) $12x^2 - 23x + 10$
$= (3x - 2)(4x - 5)$

(18) $5x^2 + 31xy + 30y^2$
$= (x + 5y)(5x + 6y)$

(19) $15x^2 - 13x - 6$
$= (3x + 1)(5x - 6)$

(20) $16x^2 - 48x + 35$
$= (4x - 7)(4x - 5)$

因数分解 たすき掛け（20問）　版G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) $6x^2 - 53x + 40$
$= (x - 8)(6x - 5)$

(2) $25x^2 - 5x - 72$
$= (5x - 9)(5x + 8)$

(3) $15x^2 + 19xy - 10y^2$
$= (3x + 5y)(5x - 2y)$

(4) $30x^2 - 47xy + 7y^2$
$= (5x - 7y)(6x - y)$

(5) $10x^2 - 7x - 6$
$= (2x + 1)(5x - 6)$

(6) $15x^2 + 14x - 8$
$= (3x + 4)(5x - 2)$

(7) $10x^2 - 49x + 49$
$= (2x - 7)(5x - 7)$

(8) $2x^2 + 9xy + 4y^2$
$= (x + 4y)(2x + y)$

(9) $24x^2 - 2x - 15$
$= (4x + 3)(6x - 5)$

(10) $4x^2 + 21x + 27$
$= (x + 3)(4x + 9)$

(11) $5x^2 - 28x + 15$
$= (x - 5)(5x - 3)$

(12) $30x^2 - 17xy + 2y^2$
$= (5x - 2y)(6x - y)$

(13) $25x^2 + 30xy - 7y^2$
$= (5x - y)(5x + 7y)$

(14) $6x^2 - 25x + 21$
$= (x - 3)(6x - 7)$

(15) $18x^2 - 33x + 14$
$= (3x - 2)(6x - 7)$

(16) $5x^2 - 17x - 12$
$= (x - 4)(5x + 3)$

(17) $4x^2 + 23xy + 15y^2$
$= (x + 5y)(4x + 3y)$

(18) $36x^2 - 1$
$= (6x - 1)(6x + 1)$

(19) $15x^2 - 17x - 18$
$= (3x + 2)(5x - 9)$

(20) $20x^2 - 47x + 21$
$= (4x - 7)(5x - 3)$

因数分解 たすき掛け（20問）　版H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) $6x^2 + 13xy + 2y^2$
$= (x + 2y)(6x + y)$

(2) $30x^2 + 37x + 10$
$= (5x + 2)(6x + 5)$

(3) $5x^2 + 24x - 36$
$= (x + 6)(5x - 6)$

(4) $2x^2 - 15xy + 7y^2$
$= (x - 7y)(2x - y)$

(5) $3x^2 - 34x + 63$
$= (x - 9)(3x - 7)$

(6) $15x^2 - 67x + 72$
$= (3x - 8)(5x - 9)$

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

(8) $20x^2 - 7xy - 3y^2$
$= (4x + y)(5x - 3y)$

(9) $16x^2 + 8x - 3$
$= (4x - 1)(4x + 3)$

(10) $5x^2 - 14x + 8$
$= (x - 2)(5x - 4)$

(11) $6x^2 - 43x - 40$
$= (x - 8)(6x + 5)$

(12) $6x^2 + x - 12$
$= (2x + 3)(3x - 4)$

(13) $8x^2 - 6x - 27$
$= (2x + 3)(4x - 9)$

(14) $5x^2 + 13x - 28$
$= (x + 4)(5x - 7)$

(15) $3x^2 - 25x + 42$
$= (x - 6)(3x - 7)$

(16) $3x^2 - 11x - 4$
$= (x - 4)(3x + 1)$

(17) $12x^2 - 41xy + 35y^2$
$= (3x - 5y)(4x - 7y)$

(18) $10x^2 + x - 21$
$= (2x + 3)(5x - 7)$

(19) $16x^2 - 24xy - 7y^2$
$= (4x - 7y)(4x + y)$

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

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

因数分解 たすき掛け（20問）　版J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) $3x^2 + 11x + 6$
$= (x + 3)(3x + 2)$

(2) $6x^2 + 49x - 45$
$= (x + 9)(6x - 5)$

(3) $18x^2 - 45x + 25$
$= (3x - 5)(6x - 5)$

(4) $25x^2 - 25x - 36$
$= (5x - 9)(5x + 4)$

(5) $6x^2 + 25xy + 4y^2$
$= (x + 4y)(6x + y)$

(6) $8x^2 - 14x + 5$
$= (2x - 1)(4x - 5)$

(7) $15x^2 - 8x - 16$
$= (3x - 4)(5x + 4)$

(8) $6x^2 + 19xy - 20y^2$
$= (x + 4y)(6x - 5y)$

(9) $5x^2 + 13x + 8$
$= (x + 1)(5x + 8)$

(10) $9x^2 + 21x + 10$
$= (3x + 2)(3x + 5)$

(11) $6x^2 - 37xy + 6y^2$
$= (x - 6y)(6x - y)$

(12) $9x^2 + 36x + 32$
$= (3x + 4)(3x + 8)$

(13) $15x^2 + 23x + 6$
$= (3x + 1)(5x + 6)$

(14) $10x^2 + 27xy + 18y^2$
$= (2x + 3y)(5x + 6y)$

(15) $5x^2 - 36x - 32$
$= (x - 8)(5x + 4)$

(16) $20x^2 - 43x + 21$
$= (4x - 3)(5x - 7)$

(17) $6x^2 - 17x - 45$
$= (2x - 9)(3x + 5)$

(18) $30x^2 + x - 20$
$= (5x - 4)(6x + 5)$

(19) $4x^2 - 15xy - 25y^2$
$= (x - 5y)(4x + 5y)$

(20) $4x^2 + 29xy + 7y^2$
$= (x + 7y)(4x + y)$

因数分解 たすき掛け（20問）　版K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) $6x^2 + 7x - 49$
$= (2x + 7)(3x - 7)$

(2) $5x^2 - 27x + 28$
$= (x - 4)(5x - 7)$

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

(4) $30x^2 + 49xy + 20y^2$
$= (5x + 4y)(6x + 5y)$

(5) $4x^2 + 5x - 6$
$= (x + 2)(4x - 3)$

(6) $8x^2 + 6x + 1$
$= (2x + 1)(4x + 1)$

(7) $15x^2 + 46x + 35$
$= (3x + 5)(5x + 7)$

(8) $6x^2 + 41x - 56$
$= (x + 8)(6x - 7)$

(9) $20x^2 + x - 1$
$= (4x + 1)(5x - 1)$

(10) $18x^2 - 15x - 7$
$= (3x + 1)(6x - 7)$

(11) $5x^2 + 2xy - 7y^2$
$= (x - y)(5x + 7y)$

(12) $18x^2 - 45xy + 25y^2$
$= (3x - 5y)(6x - 5y)$

(13) $24x^2 - 2xy - y^2$
$= (4x - y)(6x + y)$

(14) $5x^2 + 8xy - 21y^2$
$= (x + 3y)(5x - 7y)$

(15) $4x^2 - 11x + 7$
$= (x - 1)(4x - 7)$

(16) $15x^2 - 22x - 5$
$= (3x - 5)(5x + 1)$

(17) $30x^2 + 19x - 4$
$= (5x + 4)(6x - 1)$

(18) $2x^2 - 9x - 56$
$= (x - 8)(2x + 7)$

(19) $8x^2 - 18x + 7$
$= (2x - 1)(4x - 7)$

(20) $5x^2 - 28x - 49$
$= (x - 7)(5x + 7)$

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。

---

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

因数分解 たすき掛け（20問）　版M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) $15x^2 + 19xy + 6y^2$
$= (3x + 2y)(5x + 3y)$

(2) $20x^2 + 33x - 27$
$= (4x + 9)(5x - 3)$

(3) $2x^2 + 9x + 4$
$= (x + 4)(2x + 1)$

(4) $25x^2 + 65x + 36$
$= (5x + 4)(5x + 9)$

(5) $15x^2 + 29x + 8$
$= (3x + 1)(5x + 8)$

(6) $25x^2 - 50x + 9$
$= (5x - 9)(5x - 1)$

(7) $12x^2 - 28xy + 15y^2$
$= (2x - 3y)(6x - 5y)$

(8) $12x^2 + 68x + 63$
$= (2x + 9)(6x + 7)$

(9) $10x^2 - 17xy - 20y^2$
$= (2x - 5y)(5x + 4y)$

(10) $16x^2 + 16x - 21$
$= (4x - 3)(4x + 7)$

(11) $6x^2 + 37x - 35$
$= (x + 7)(6x - 5)$

(12) $2x^2 + x - 6$
$= (x + 2)(2x - 3)$

(13) $24x^2 + 10xy - 25y^2$
$= (4x + 5y)(6x - 5y)$

(14) $15x^2 - 29x + 8$
$= (3x - 1)(5x - 8)$

(15) $4x^2 + 20xy + 21y^2$
$= (2x + 3y)(2x + 7y)$

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

(17) $4x^2 + 3x - 27$
$= (x + 3)(4x - 9)$

(18) $5x^2 - 38x - 16$
$= (x - 8)(5x + 2)$

(19) $20x^2 - 63x + 49$
$= (4x - 7)(5x - 7)$

(20) $15x^2 + 32x + 9$
$= (3x + 1)(5x + 9)$

因数分解 たすき掛け（20問）　版N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) $5x^2 + 52x + 63$
$= (x + 9)(5x + 7)$

(2) $6x^2 + 23x + 21$
$= (2x + 3)(3x + 7)$

(3) $3x^2 - 8x + 5$
$= (x - 1)(3x - 5)$

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

(5) $5x^2 - 24x - 5$
$= (x - 5)(5x + 1)$

(6) $4x^2 - 11x + 6$
$= (x - 2)(4x - 3)$

(7) $5x^2 + 24x - 36$
$= (x + 6)(5x - 6)$

(8) $25x^2 - 10x - 63$
$= (5x - 9)(5x + 7)$

(9) $10x^2 + 9x - 40$
$= (2x + 5)(5x - 8)$

(10) $10x^2 + 23xy - 42y^2$
$= (2x + 7y)(5x - 6y)$

(11) $4x^2 - 16xy + 7y^2$
$= (2x - 7y)(2x - y)$

(12) $4x^2 - 31xy + 42y^2$
$= (x - 6y)(4x - 7y)$

(13) $9x^2 - 3x - 56$
$= (3x - 8)(3x + 7)$

(14) $4x^2 + 4x - 63$
$= (2x - 7)(2x + 9)$

(15) $25x^2 + 20xy - 12y^2$
$= (5x - 2y)(5x + 6y)$

(16) $5x^2 - 18x + 16$
$= (x - 2)(5x - 8)$

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

(18) $8x^2 + 2x - 45$
$= (2x + 5)(4x - 9)$

(19) $16x^2 - 40x + 9$
$= (4x - 9)(4x - 1)$

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

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。

---

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

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

因数分解 たすき掛け（20問）　版Q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) $5x^2 - xy - 6y^2$
$= (x + y)(5x - 6y)$

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

(3) $12x^2 + 28x - 5$
$= (2x + 5)(6x - 1)$

(4) $4x^2 - 23xy + 15y^2$
$= (x - 5y)(4x - 3y)$

(5) $4x^2 + 33x + 35$
$= (x + 7)(4x + 5)$

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

(7) $6x^2 + 43x + 7$
$= (x + 7)(6x + 1)$

(8) $30x^2 - 53xy + 21y^2$
$= (5x - 3y)(6x - 7y)$

(9) $20x^2 - 47xy + 21y^2$
$= (4x - 7y)(5x - 3y)$

(10) $4x^2 - 4x - 35$
$= (2x - 7)(2x + 5)$

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

(12) $10x^2 + 41x + 21$
$= (2x + 7)(5x + 3)$

(13) $15x^2 - 38xy + 7y^2$
$= (3x - 7y)(5x - y)$

(14) $20x^2 - 73x + 63$
$= (4x - 9)(5x - 7)$

(15) $6x^2 + 35x - 6$
$= (x + 6)(6x - 1)$

(16) $5x^2 - xy - 4y^2$
$= (x - y)(5x + 4y)$

(17) $6x^2 + 29x + 28$
$= (2x + 7)(3x + 4)$

(18) $15x^2 - 8x - 16$
$= (3x - 4)(5x + 4)$

(19) $8x^2 + 46x + 45$
$= (2x + 9)(4x + 5)$

(20) $12x^2 + 32x - 35$
$= (2x + 7)(6x - 5)$