

( 17)  $(25x^2+10xy+5x) \div (-5x)$  [ 31-01-01-0017-1]

( 18)  $3x(8x-4y)-5y(3x+2y)$  [ 31-01-01-0018-1]

( 19)  $(3a-b)(2a+3b)$  [ 31-01-01-0019-1]

( 20)  $(3a-2b)(4a-3b+7)$  [ 31-01-01-0020-1]

( 21)  $(x-6)(x-8)$  [ 31-01-01-0021-1]

( 22)  $(2x+3)(2x-9)$  [ 31-01-01-0022-1]

( 23)  $(3a-2b)^2$  [ 31-01-01-0023-1]

( 24)  $\left(\frac{1}{5}y+2\right)^2$  [ 31-01-01-0024-1]

( 25)  $(3x-5)(3x+5)$  [ 31-01-01-0025-1]

**問** 次の計算をせよ。  
( 26)  $(2x-1)^2+2(x-4)(x+4)$  [ 31-01-01-0026-1]

**問** 次の式を因数分解せよ。  
( 27)  $8xy-4x^2$  [ 31-02-02-01-0001-1]

( 28)  $12ax+21bx+27cx$  [ 31-02-02-01-0002-1]

( 29)  $x^2+5x-24$  [ 31-02-02-01-0003-1]

( 30)  $x^2+16x+64$  [ 31-02-02-01-0005-1]

( 31)  $9x^2-30x+25$  [ 31-02-02-01-0007-1]

( 32)  $64-x^2$  [ 31-02-02-01-0008-1]

( 33)  $36x^2-49y^2$  [ 31-02-02-01-0009-1]

( 34)  $-3a^2+147$  [ 31-02-02-01-0010-1]

( 35)  $15x^2y-12xy$  [ 31-02-02-01-0011-1]

**問** 次の計算をせよ。  
( 1)  $\frac{2}{3}a(6a+9)$  [ 31-01-01-0001-1]

( 2)  $(4x-9y-5) \times (-2x)$  [ 31-01-01-0002-1]

( 3)  $(4a^2-12ab) \div \frac{4}{7}a$  [ 31-01-01-0003-1]

( 4)  $(8x^2y-12xy^2-24xy) \div \frac{4}{3}xy$  [ 31-01-01-0004-1]

( 5)  $4x(6x-3)-7x(2x-3)$  [ 31-01-01-0005-1]

**問** 次の式を展開せよ。  
( 6)  $(a-x)(b-y)$  [ 31-01-01-0006-1]

( 7)  $(2a-5b+3)(a-2b)$  [ 31-01-01-0007-1]

( 8)  $\left(x-\frac{3}{4}\right)\left(x+\frac{1}{3}\right)$  [ 31-01-01-0008-1]

( 9)  $(4x-3)(4x+7)$  [ 31-01-01-0009-1]

( 10)  $(7x-2)^2$  [ 31-01-01-0010-1]

( 11)  $\left(4x-\frac{1}{2}\right)^2$  [ 31-01-01-0011-1]

( 12)  $(3x-4y)(3x+4y)$  [ 31-01-01-0012-1]

**問** 次の計算をせよ。  
( 13)  $2(x-3)^2-(x-5)(x-9)$  [ 31-01-01-0013-1]

( 14)  $(-7a+3ab) \times (-4a)$  [ 31-01-01-0014-1]

( 15)  $3x(8x-4y+12)$  [ 31-01-01-0015-1]

( 16)  $(-9xy^2+12xy) \div (-3x)$  [ 31-01-01-0016-1]