

問 1

(1)  $3x^2 - 2xy - y^2$

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

(3)  $a^2 + b^2 + 2ab - 1$

問 2

(1)  $2(x + 1)^2 - 11(x + 1) + 15$

(2)  $x^4 + y^4 + z^4 - 2(x^2y^2 + y^2z^2 + z^2x^2)$

(3)  $(x + y)^4 - (x - y)^4$

問 3

(1)  $x^6 - 1$

(2)  $x^6 - 2x^3 + 1$

(3)  $27x^3 + 64y^3$

No.02

問 4

(1)  $a^2(b-c)+b^2(c-a)+c^2(a-b)$

(2)  $a^3(b-c)+b^3(c-a)+c^3(a-b)$

(3)  $a^4(b-c)+b^4(c-a)+c^4(a-b)$

問 5

(1)  $-a^4+2a^2b^2+2a^2c^2-b^4+2b^2c^2-c^4$

(2)  $xy-yz+zu-ux$

(3)  $x^4+4$

問 6

(1)  $(x-y)^3+(y-z)^3+(z-x)^3$

(2)  $(x-y)^4+(y-z)^4+(z-x)^4$

(3)  $(x-y)^5+(y-z)^5+(z-x)^5$