

小テスト 1.

( ) 組 ( ) 番 ( )

(1)  $15x^2 + 38x + 24$

$$= (3x+4)(5x+6) \quad \begin{matrix} 3 & 4 \\ 5 & 6 \end{matrix} \times$$

(2)  $27a^3 - 64b^3$

$$= (3a - 4b)(9a^2 + 12ab + 16b^2)$$

(3)  $8x^3 + 12x^2 + 6x + 1 = (2x+1)^3$

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

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

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

(4)  $3ab + 3a - b - 1$

$$= 3a(b+1) - (b+1)$$

$$= (3a-1)(b+1)$$

(5)  $x^4 + x^2 - 56 \quad A = x^2 \quad \text{とおくと}$

$$= A^2 + A - 56$$

$$= (A+8)(A-7)$$

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