

数I (展開④) ・ 3次式の公式編

$$\textcircled{\text{ホ}} (a+b)^3 = \textcircled{①} \quad , (a+b)(a^2-ab+b^2) = \textcircled{③}$$

$$(a-b)^3 = \textcircled{②} \quad , (a-b)(a^2+ab+b^2) = \textcircled{④}$$

展開しよう。

$$\textcircled{⑤} (x+3)^3$$

$$\textcircled{⑥} (2x-y)^3$$

$$\textcircled{⑦} (x-4)(x^2+4x+16)$$

$$\textcircled{⑧} (3x+2y)(9x^2-6xy+4y^2)$$

$$\textcircled{⑨} (a+b)^3(a-b)^3$$

$$\textcircled{⑩} (x+y)^2(x^2-xy+y^2)^2$$