



## 三次多項式因式分解

姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分數: \_\_\_\_\_

$$x^2 - x$$

$$x^3 + 11x^2 + 23x + 45$$

$$2x^2 + 4x$$

$$x^3 + 4x^2 + 10x + 21$$

$$x^3 - 10x^2 + x + 120$$

$$9x^3 + 109x^2 + 272x + 180$$

$$x^3 + 6x^2 + 9x + 20$$

$$x^3 - 2x^2 + 3x - 2$$

$$6x^2 - 36x$$

$$x^3 - 11x^2 + 26x - 16$$



## 三次多項式因式分解

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$$\begin{aligned}x^2 - x \\x(x - 1)\end{aligned}$$

$$\begin{aligned}x^3 + 11x^2 + 23x + 45 \\(x + 9)(x^2 + 2x + 5)\end{aligned}$$

$$\begin{aligned}2x^2 + 4x \\2x(x + 2)\end{aligned}$$

$$\begin{aligned}x^3 + 4x^2 + 10x + 21 \\(x + 3)(x^2 + x + 7)\end{aligned}$$

$$\begin{aligned}x^3 - 10x^2 + x + 120 \\(x - 5)(x - 8)(x + 3)\end{aligned}$$

$$\begin{aligned}9x^3 + 109x^2 + 272x + 180 \\(9x + 10)(x + 9)(x + 2)\end{aligned}$$

$$\begin{aligned}x^3 + 6x^2 + 9x + 20 \\(x + 5)(x^2 + x + 4)\end{aligned}$$

$$\begin{aligned}x^3 - 2x^2 + 3x - 2 \\(x - 1)(x^2 - x + 2)\end{aligned}$$

$$\begin{aligned}6x^2 - 36x \\6x(x - 6)\end{aligned}$$

$$\begin{aligned}x^3 - 11x^2 + 26x - 16 \\(x - 8)(x - 2)(x - 1)\end{aligned}$$