



三次多項式因式分解

姓名: _____

日期: _____ 分數: _____

$$x^3 + 4x^2 - 16x - 64$$

$$x^3 + 5x^2 + x + 42$$

$$x^3 - 16x^2 + 55x + 72$$

$$x^3 + 11x^2 + 25x + 63$$

$$8x^3 - 49x^2 + 45x$$

$$21x^3 - 199x^2 + 66x + 216$$

$$x^3 + 8x^2 + 15x + 18$$

$$36x^3 + 5x^2 - 114x - 80$$

$$x^3 + x^2 + 2x + 8$$

$$x^3 - 7x^2 - 15x - 27$$



三次多項式因式分解

姓名: _____

日期: _____ 分數: _____

$$\begin{aligned}x^3 + 4x^2 - 16x - 64 \\(x + 4)(x + 4)(x - 4)\end{aligned}$$

$$\begin{aligned}x^3 + 5x^2 + x + 42 \\(x + 6)(x^2 - x + 7)\end{aligned}$$

$$\begin{aligned}x^3 - 16x^2 + 55x + 72 \\(x + 1)(x - 9)(x - 8)\end{aligned}$$

$$\begin{aligned}x^3 + 11x^2 + 25x + 63 \\(x + 9)(x^2 + 2x + 7)\end{aligned}$$

$$\begin{aligned}8x^3 - 49x^2 + 45x \\x(x - 5)(8x - 9)\end{aligned}$$

$$\begin{aligned}21x^3 - 199x^2 + 66x + 216 \\(3x - 4)(x - 9)(7x + 6)\end{aligned}$$

$$\begin{aligned}x^3 + 8x^2 + 15x + 18 \\(x + 6)(x^2 + 2x + 3)\end{aligned}$$

$$\begin{aligned}36x^3 + 5x^2 - 114x - 80 \\(4x + 5)(x - 2)(9x + 8)\end{aligned}$$

$$\begin{aligned}x^3 + x^2 + 2x + 8 \\(x + 2)(x^2 - x + 4)\end{aligned}$$

$$\begin{aligned}x^3 - 7x^2 - 15x - 27 \\(x - 9)(x^2 + 2x + 3)\end{aligned}$$