

# 사차부등식의 기본예제

(Basic Example of Quadratic Inequality)

# Basic Example of Quadratic Inequality

▶ Start

▶ End

▶ Start

▶ End

$$x^4 + 5x^2 < 6 - 5x + 5x^3$$

▶ Start

▶ End

$$x^4 + 5x^2 < 6 - 5x + 5x^3$$

$$x^4 - 5x^3 + 5x^2 + 5x - 6 < 0$$

▶ Start

▶ End

$$x^4 + 5x^2 < 6 - 5x + 5x^3$$

$$x^4 - 5x^3 + 5x^2 + 5x - 6 < 0$$

$$(x + 1)(x - 1)(x - 2)(x - 3) < 0$$

▶ Start

▶ End

$$x^4 + 5x^2 < 6 - 5x + 5x^3$$

$$x^4 - 5x^3 + 5x^2 + 5x - 6 < 0$$

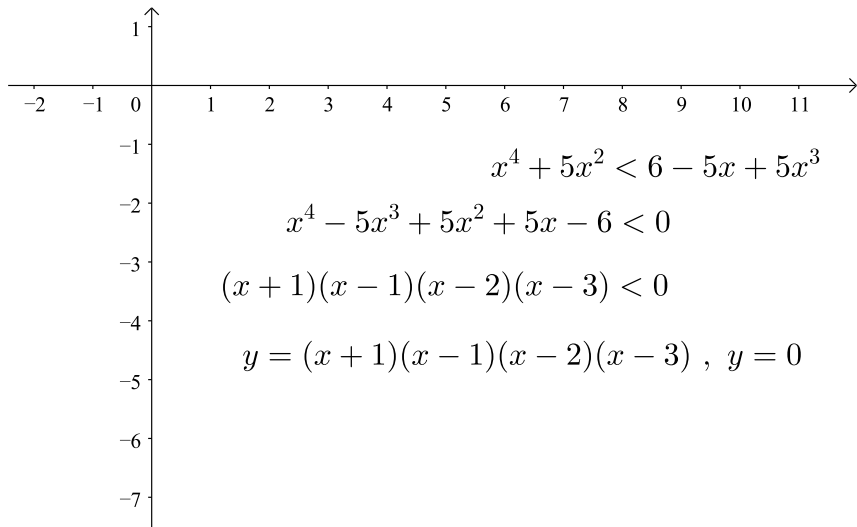
$$(x + 1)(x - 1)(x - 2)(x - 3) < 0$$

$$y = (x + 1)(x - 1)(x - 2)(x - 3) , y = 0$$

## Basic Example of Quadratic Inequality

▶ Start

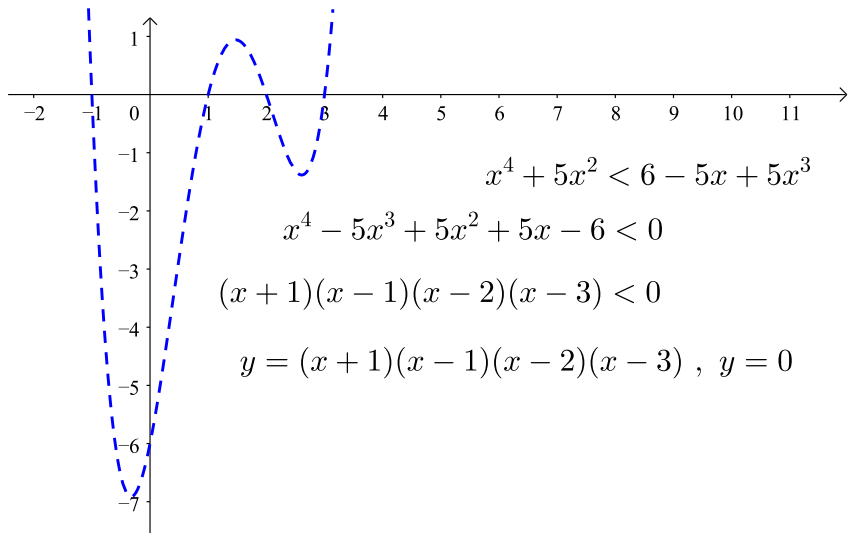
▶ End



## Basic Example of Quadratic Inequality

▶ Start

▶ End

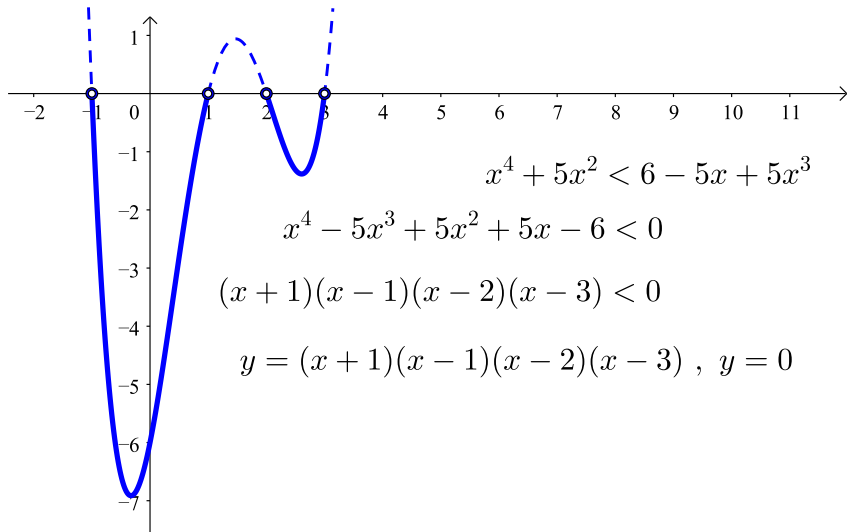




## Basic Example of Quadratic Inequality

▶ Start

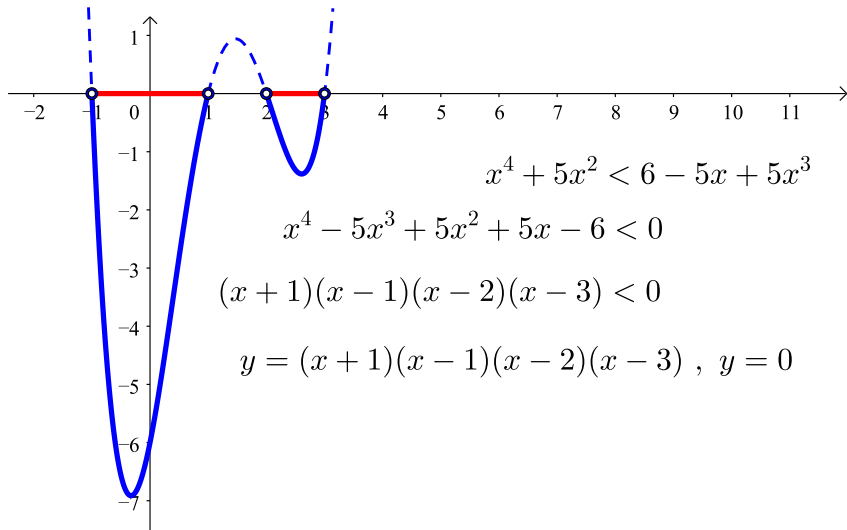
▶ End



## Basic Example of Quadratic Inequality

▶ Start

▶ End



$$x^4 + 5x^2 < 6 - 5x + 5x^3$$

$$x^4 - 5x^3 + 5x^2 + 5x - 6 < 0$$

$$(x + 1)(x - 1)(x - 2)(x - 3) < 0$$

$$y = (x + 1)(x - 1)(x - 2)(x - 3), y = 0$$



Github:

<https://min7014.github.io/math20210731001.html>

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and you can see a picture moving.