고차부등식
(Higher-order Inequality)

Higher-order Inequality

▸ Start ▸ End

Higher-order Inequality

Start End

$$x^3 + 11x > 6x^2 + 6$$

Start End

$$x^3 + 11x > 6x^2 + 6$$
$$x^3 - 6x^2 + 11x - 6 > 0$$

Start End

$$x^3 + 11x > 6x^2 + 6$$
$$x^3 - 6x^2 + 11x - 6 > 0$$
$$(x-1)(x-2)(x-3) > 0$$

Start End

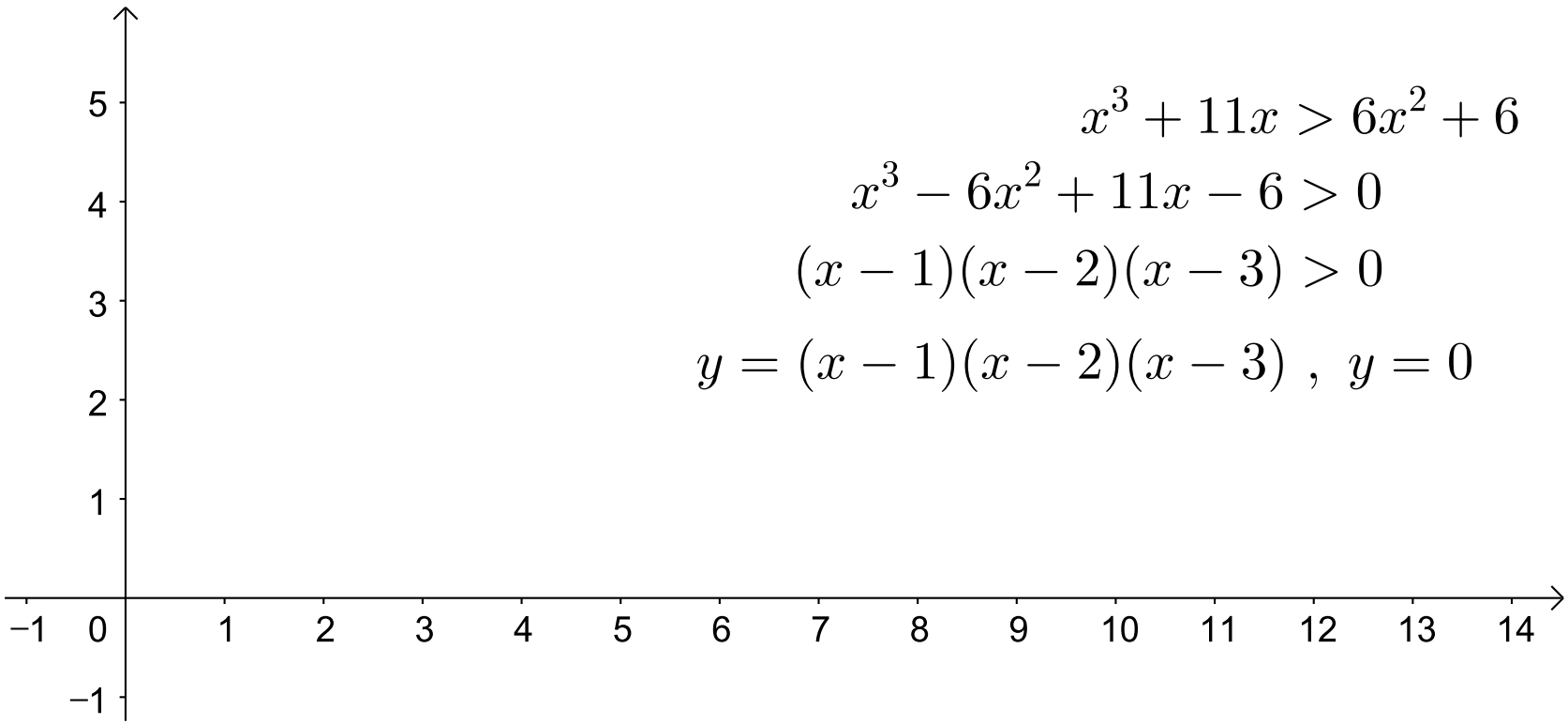
$$x^3 + 11x > 6x^2 + 6$$

$$x^3 - 6x^2 + 11x - 6 > 0$$

$$(x-1)(x-2)(x-3) > 0$$

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

Start End



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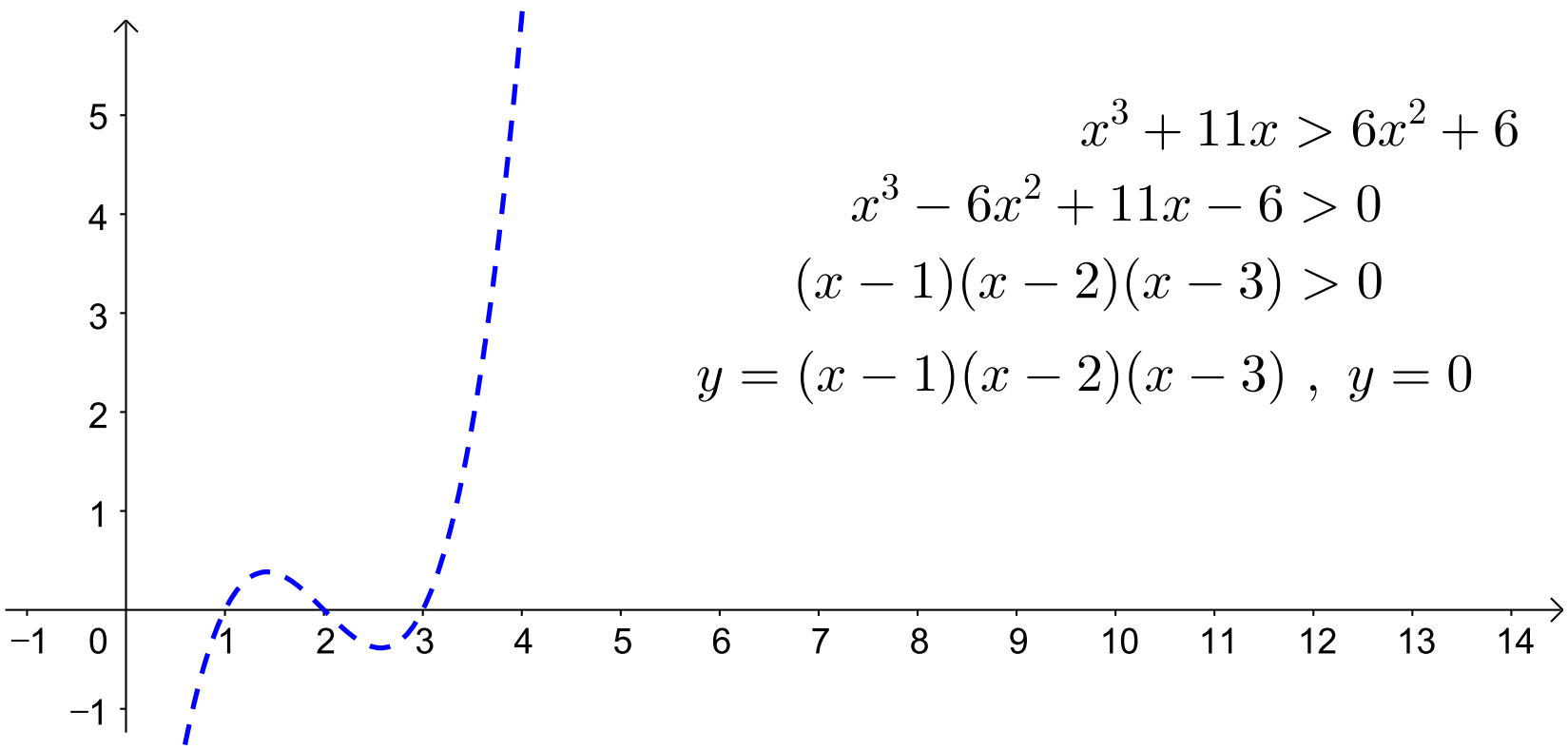
Start End



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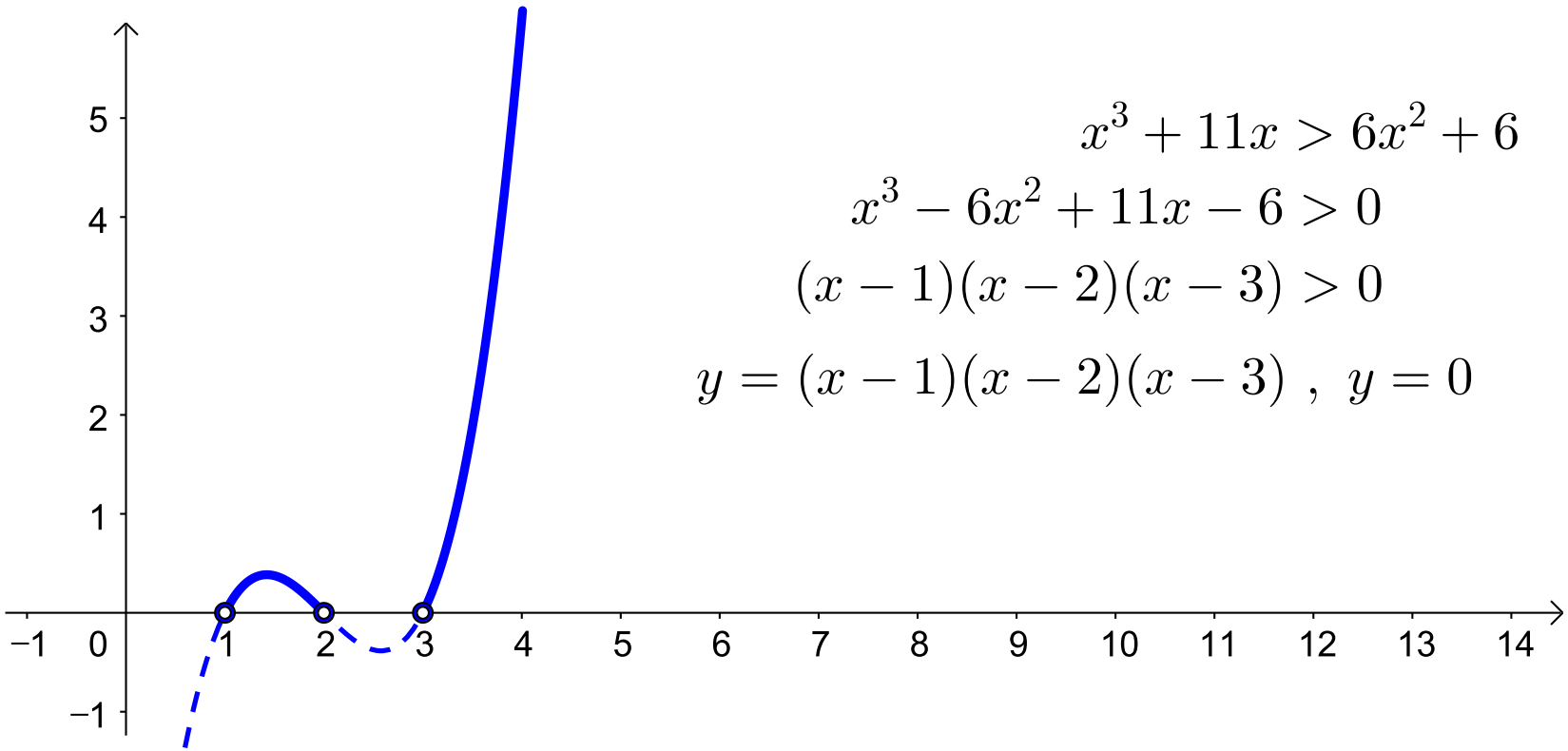
▸ Start ▸ End



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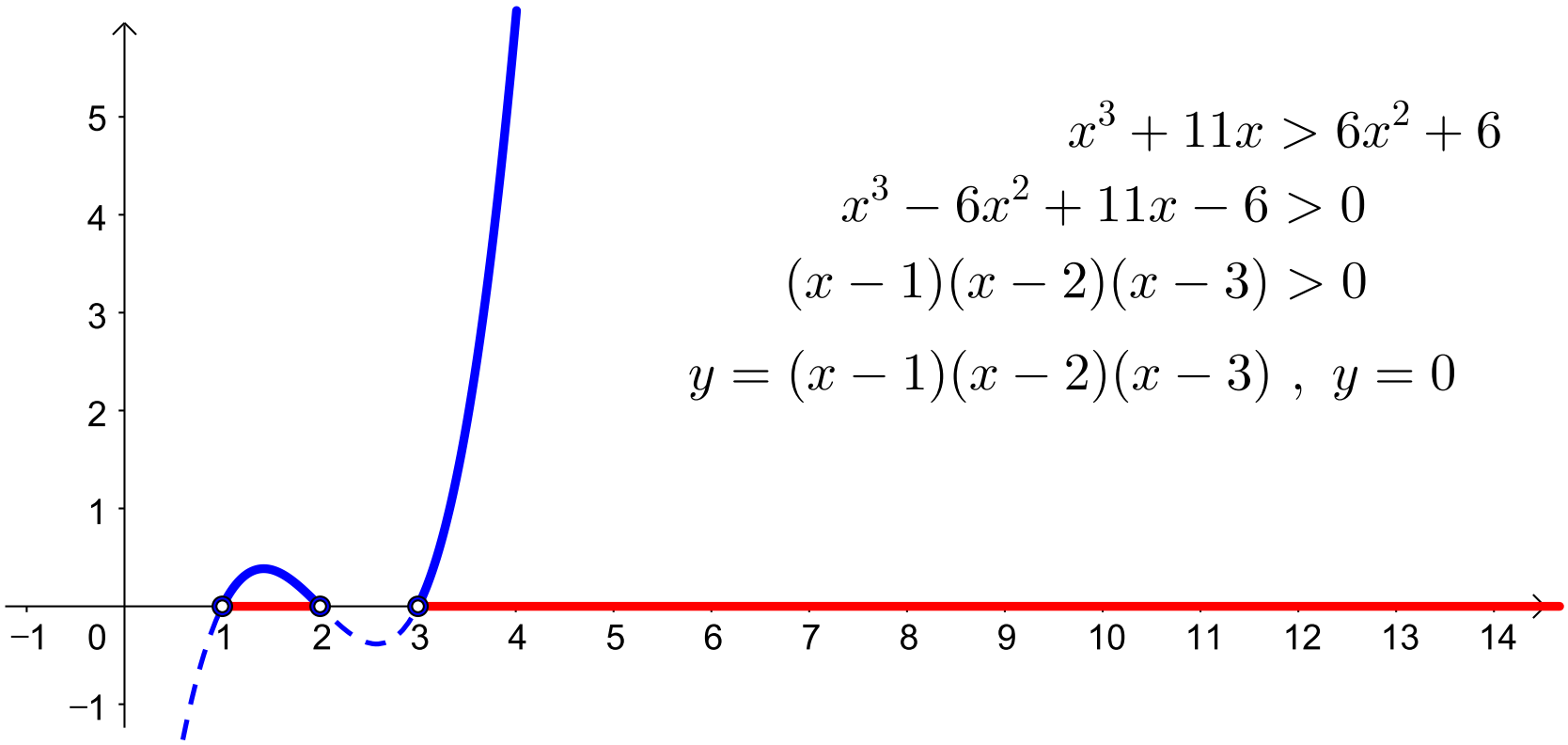

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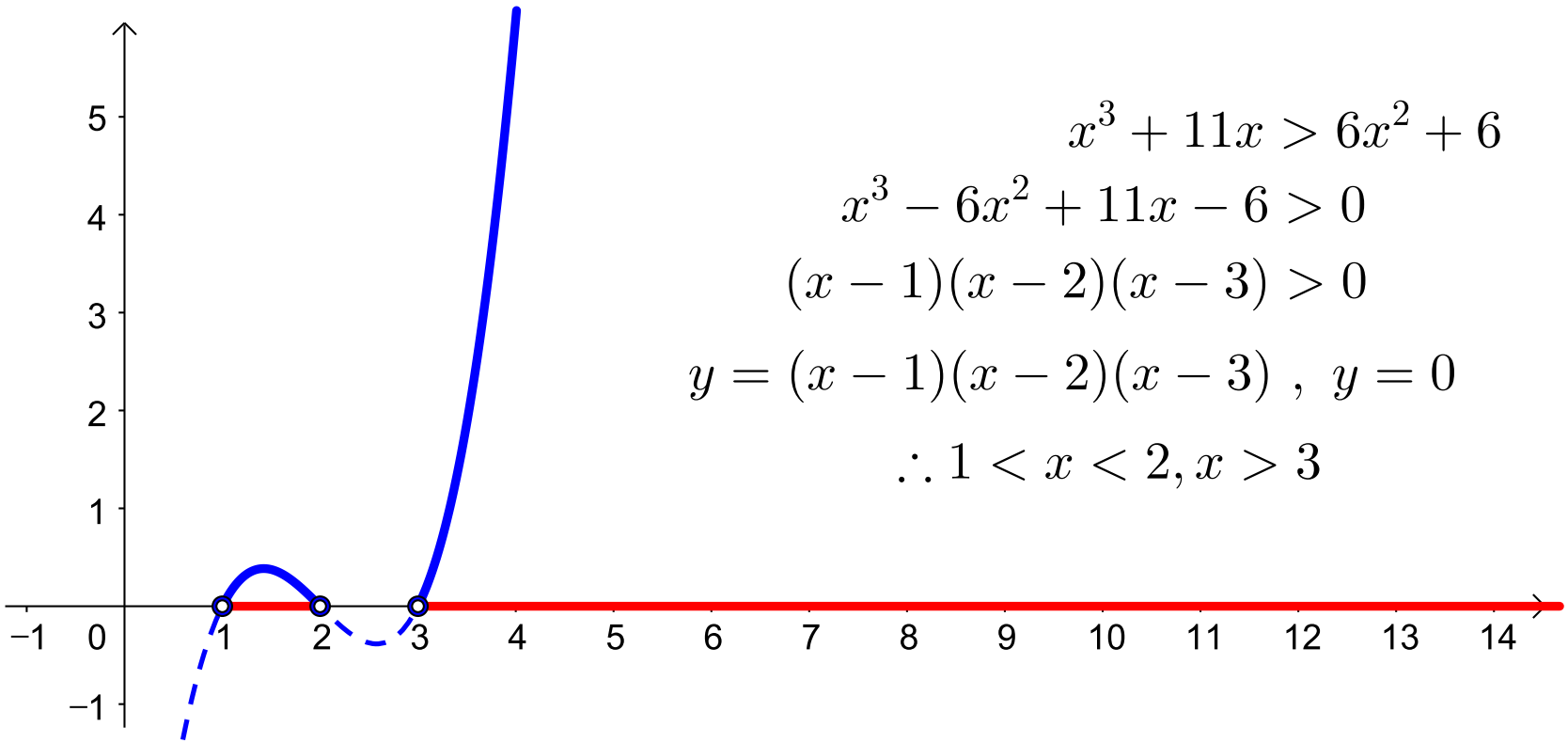

$$x^3 + 11x > 6x^2 + 6$$

$$x^3 - 6x^2 + 11x - 6 > 0$$

$$(x-1)(x-2)(x-3) > 0$$

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

$$\therefore 1 < x < 2, x > 3$$

Github:
https://min7014.github.io/math20210728001.html

Click or paste URL into the URL search bar, and you can see a picture moving.