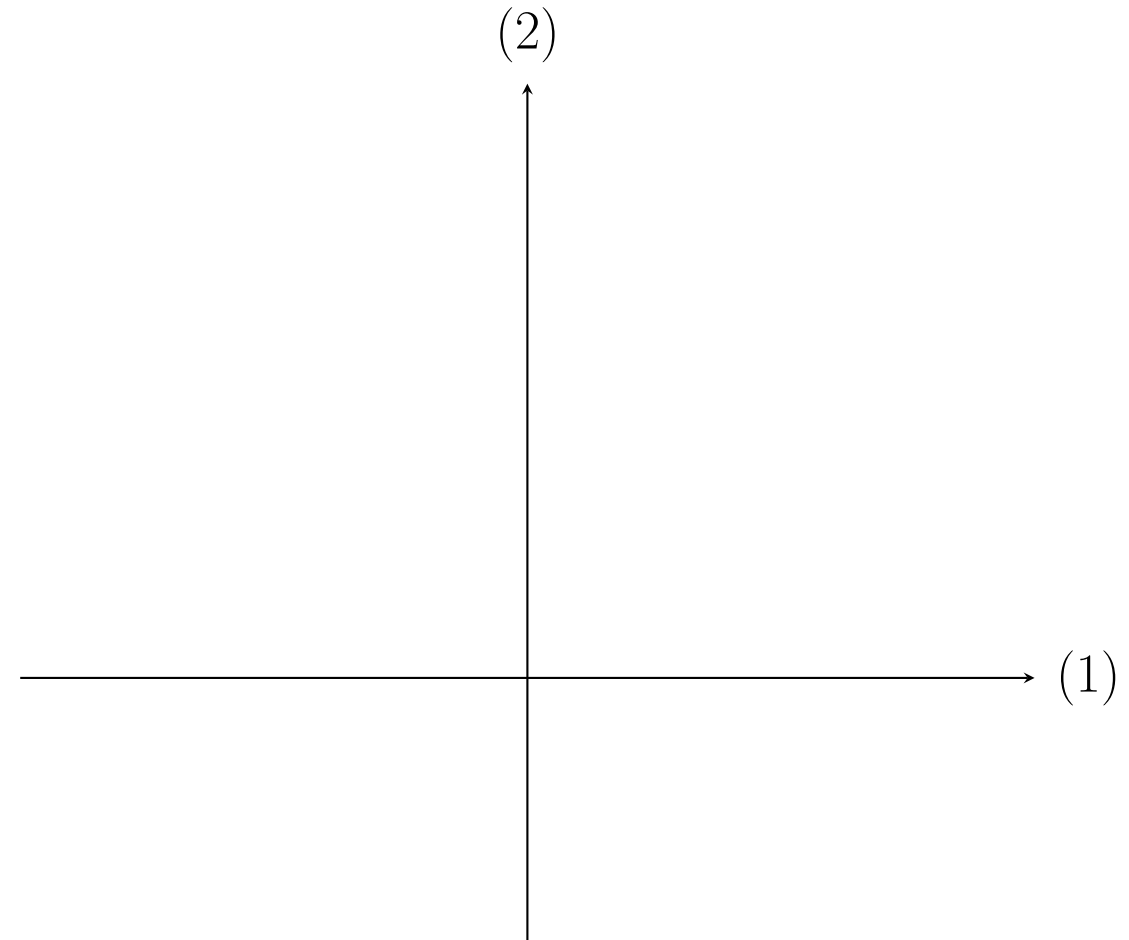


Bestem monotoniforhold

Bestem monotoniforhold for funktionen

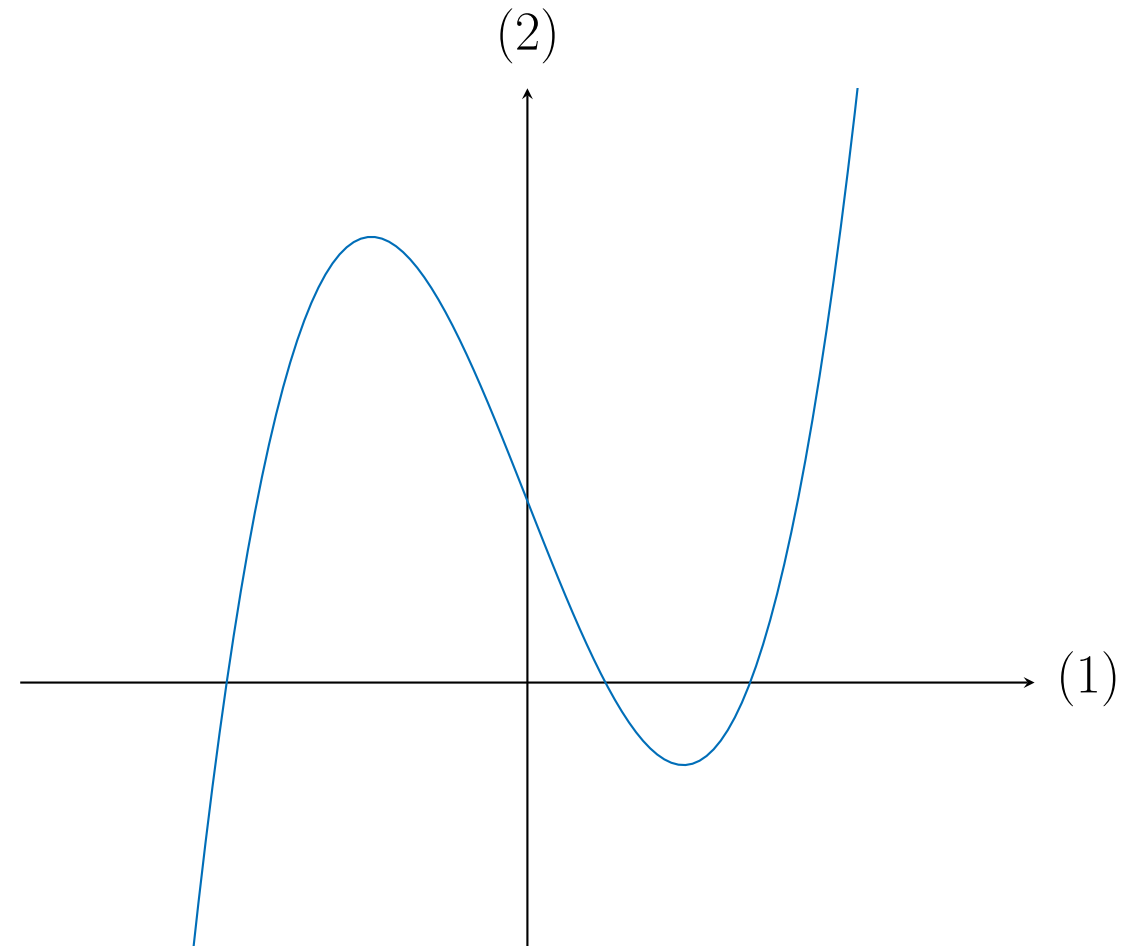
$$f(x) = x^3 - 12x + 11.$$



Bestem monotoniforhold

Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

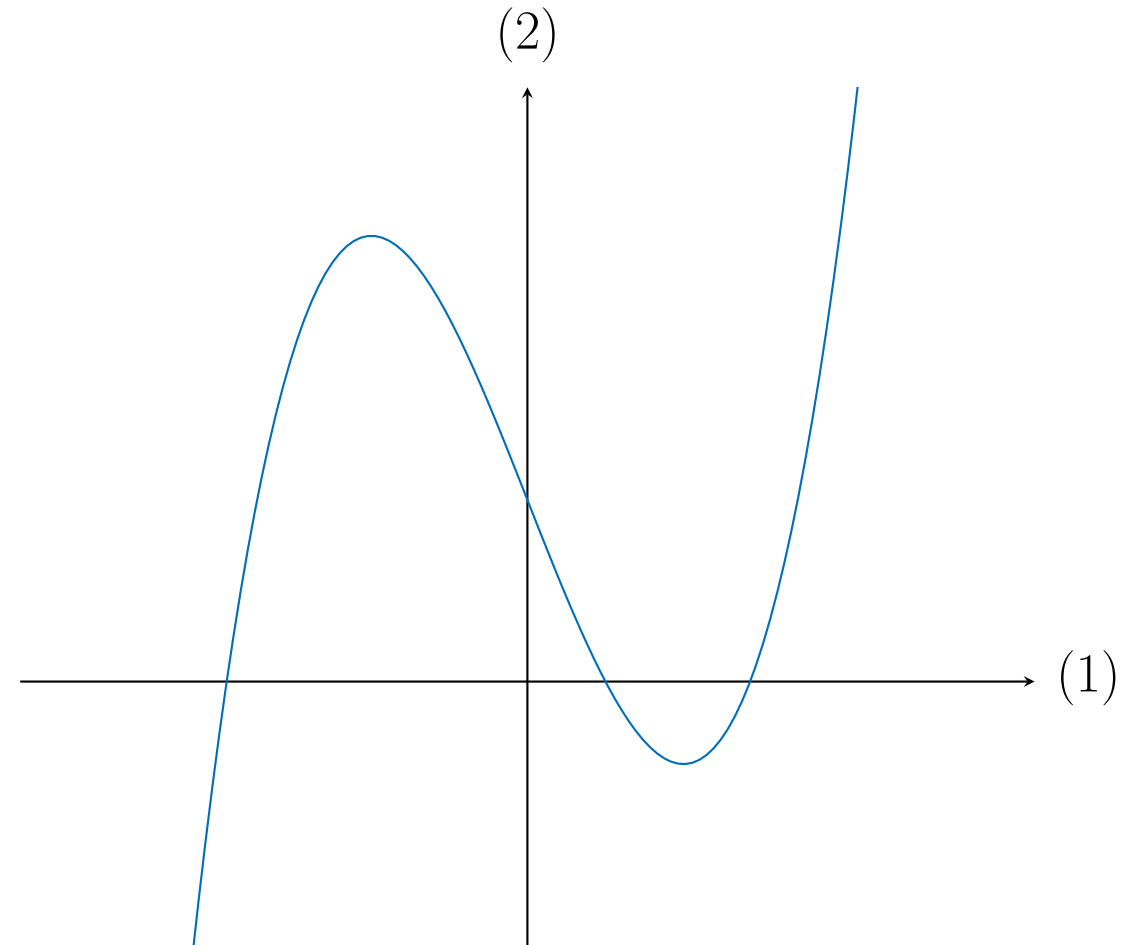


Bestem monotoniforhold

Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

Løs ligningen $f'(x) = 0$.



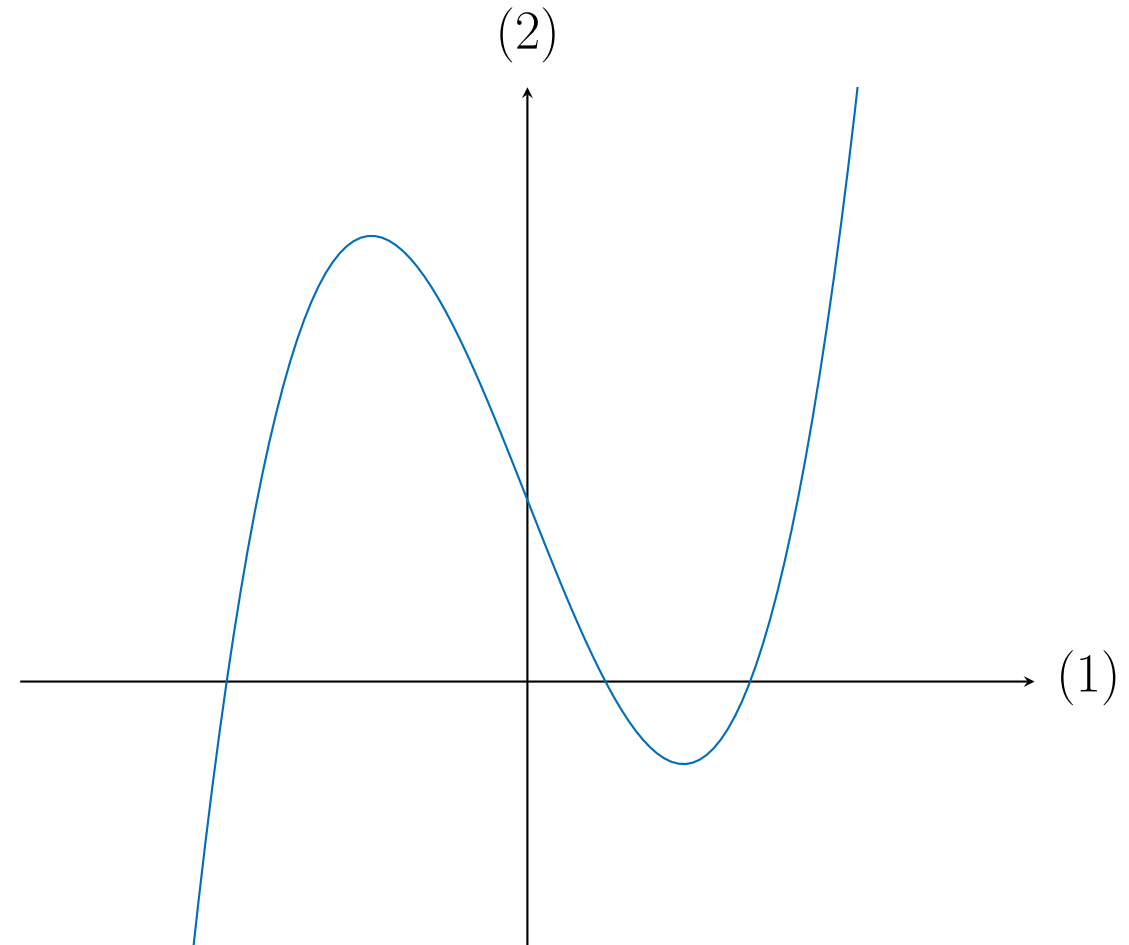
Bestem monotoniforhold

Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

Løs ligningen $f'(x) = 0$.

$$f'(x) = 3x^2 - 12$$



Bestem monotoniforhold

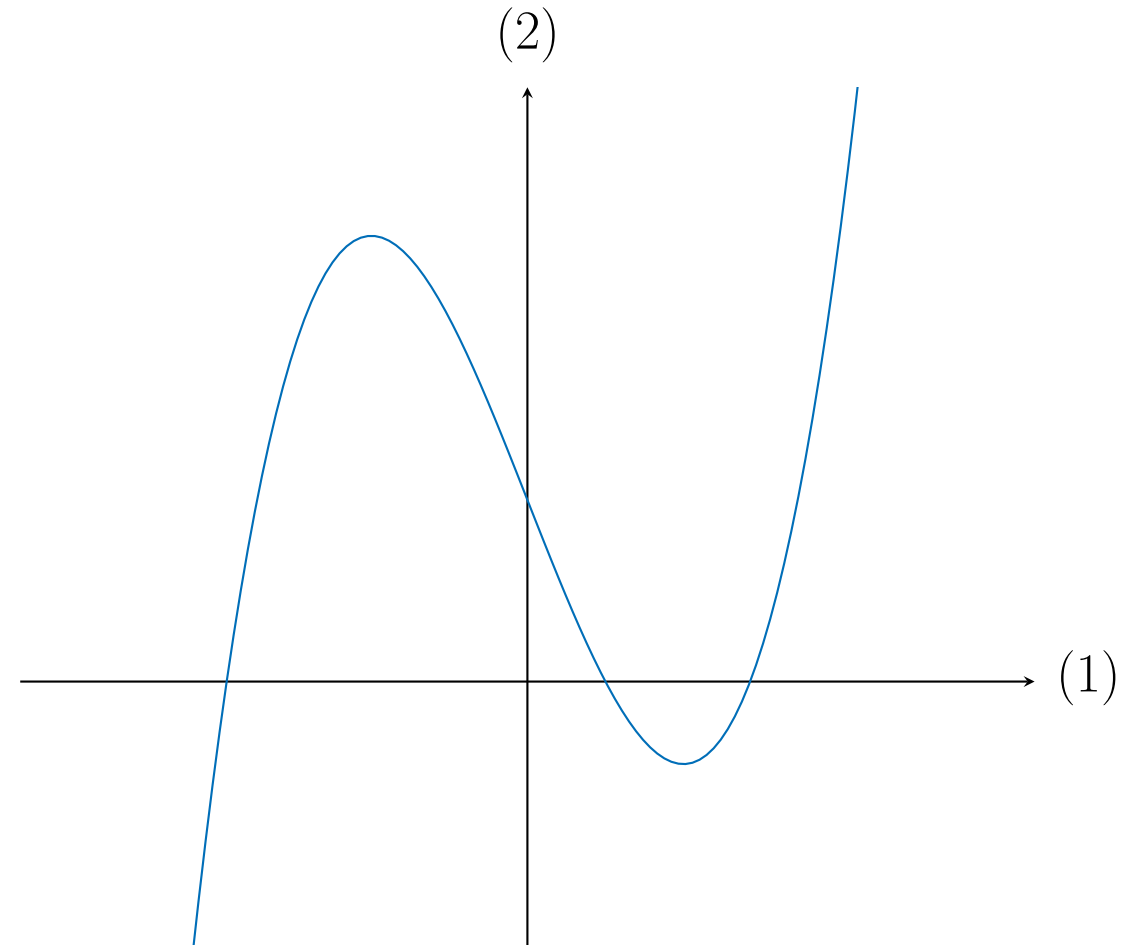
Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

Løs ligningen $f'(x) = 0$.

$$f'(x) = 3x^2 - 12$$

$$0 = 3x^2 - 12$$



Bestem monotoniforhold

Bestem monotoniforhold for funktionen

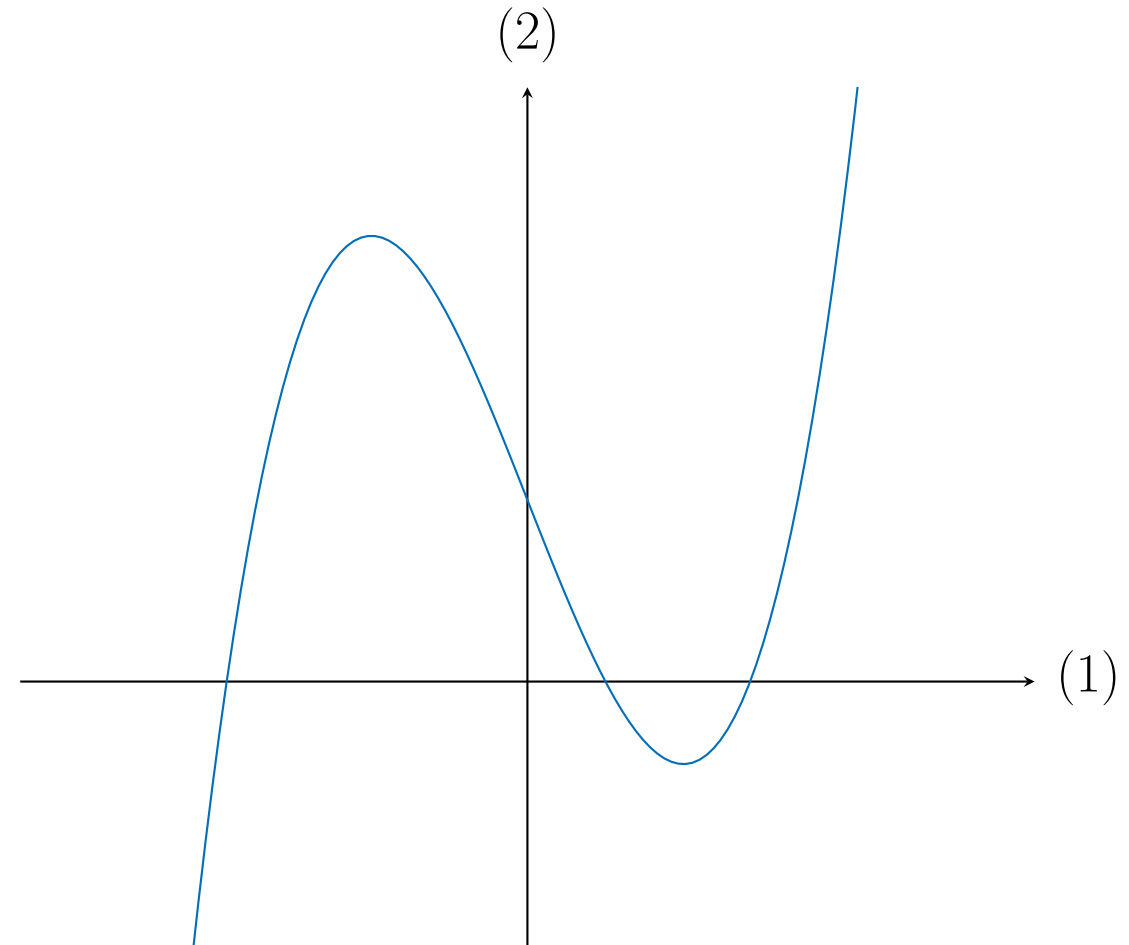
$$f(x) = x^3 - 12x + 11.$$

Løs ligningen $f'(x) = 0$.

$$f'(x) = 3x^2 - 12$$

$$0 = 3x^2 - 12$$

$$12 = 3x^2$$



Bestem monotoniforhold

Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

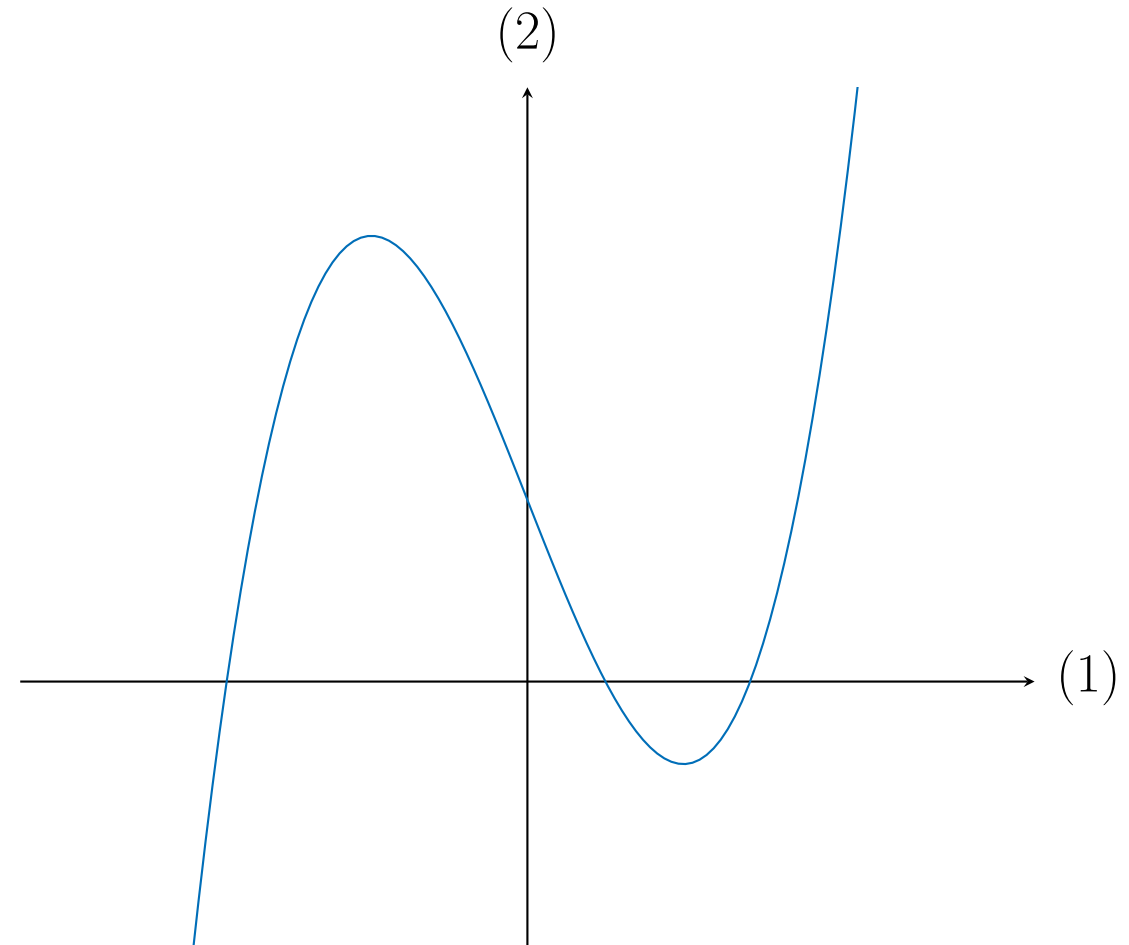
Løs ligningen $f'(x) = 0$.

$$f'(x) = 3x^2 - 12$$

$$0 = 3x^2 - 12$$

$$12 = 3x^2$$

$$4 = x^2$$



Bestem monotoniforhold

Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

Løs ligningen $f'(x) = 0$.

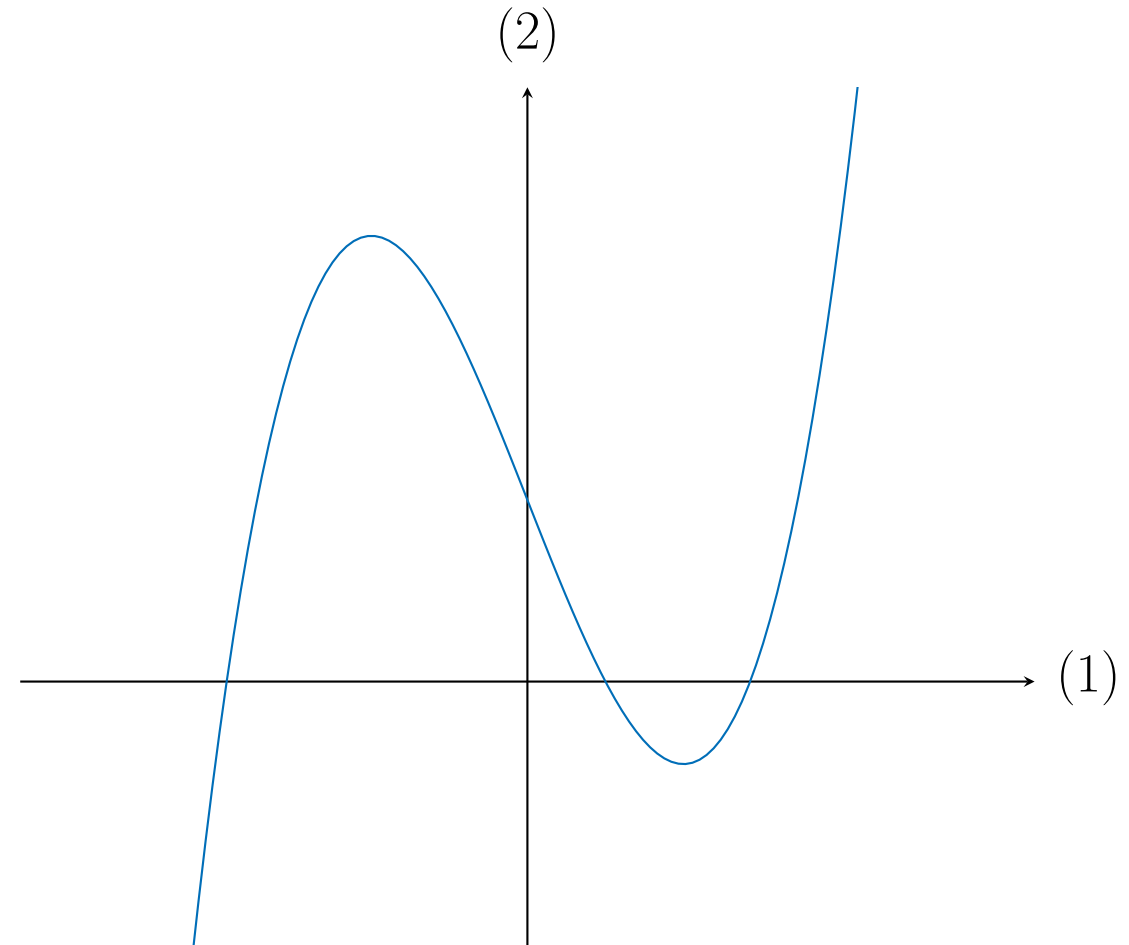
$$f'(x) = 3x^2 - 12$$

$$0 = 3x^2 - 12$$

$$12 = 3x^2$$

$$4 = x^2$$

$$\pm 2 = 0$$



Bestem monotoniforhold

Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

Løs ligningen $f'(x) = 0$.

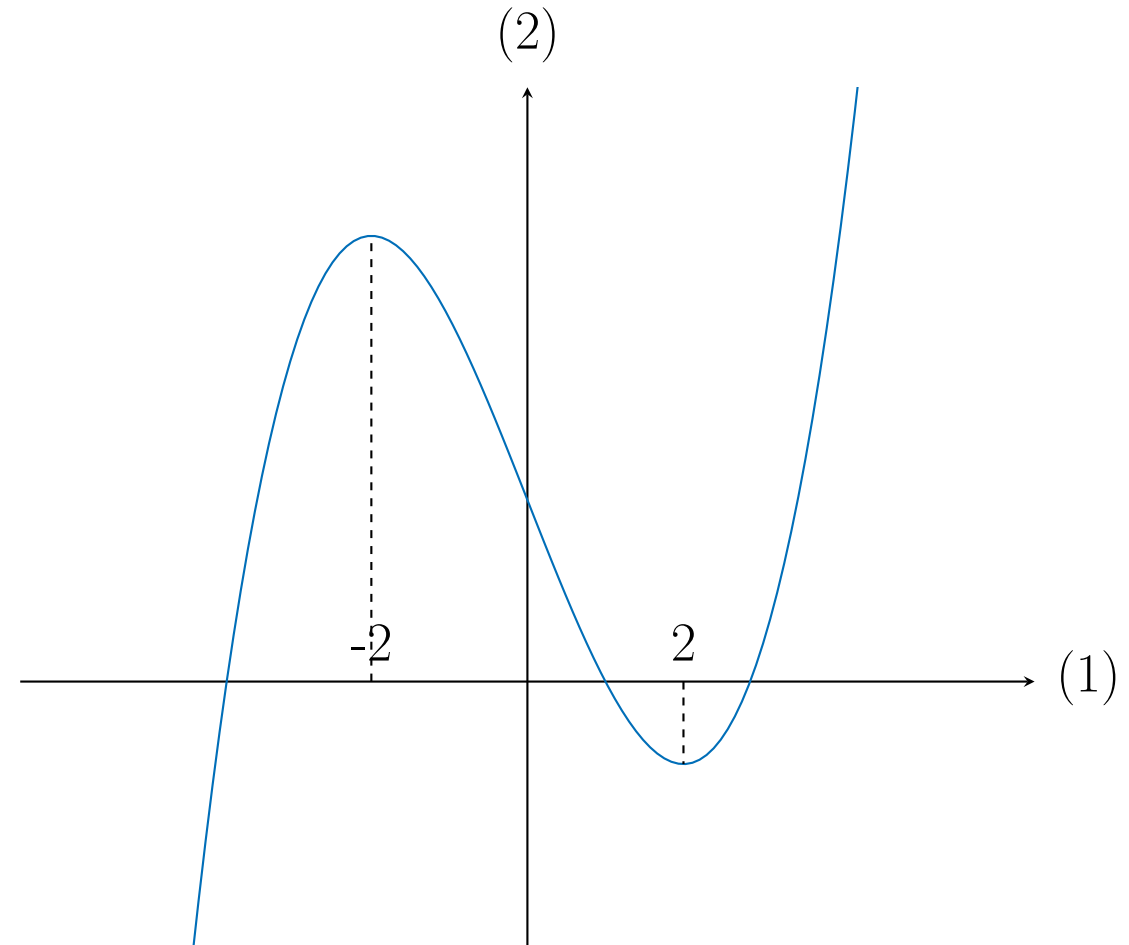
$$f'(x) = 3x^2 - 12$$

$$0 = 3x^2 - 12$$

$$12 = 3x^2$$

$$4 = x^2$$

$$\pm 2 = 0$$



Bestem monotoniforhold

Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

Løs ligningen $f'(x) = 0$.

$$f'(x) = 3x^2 - 12$$

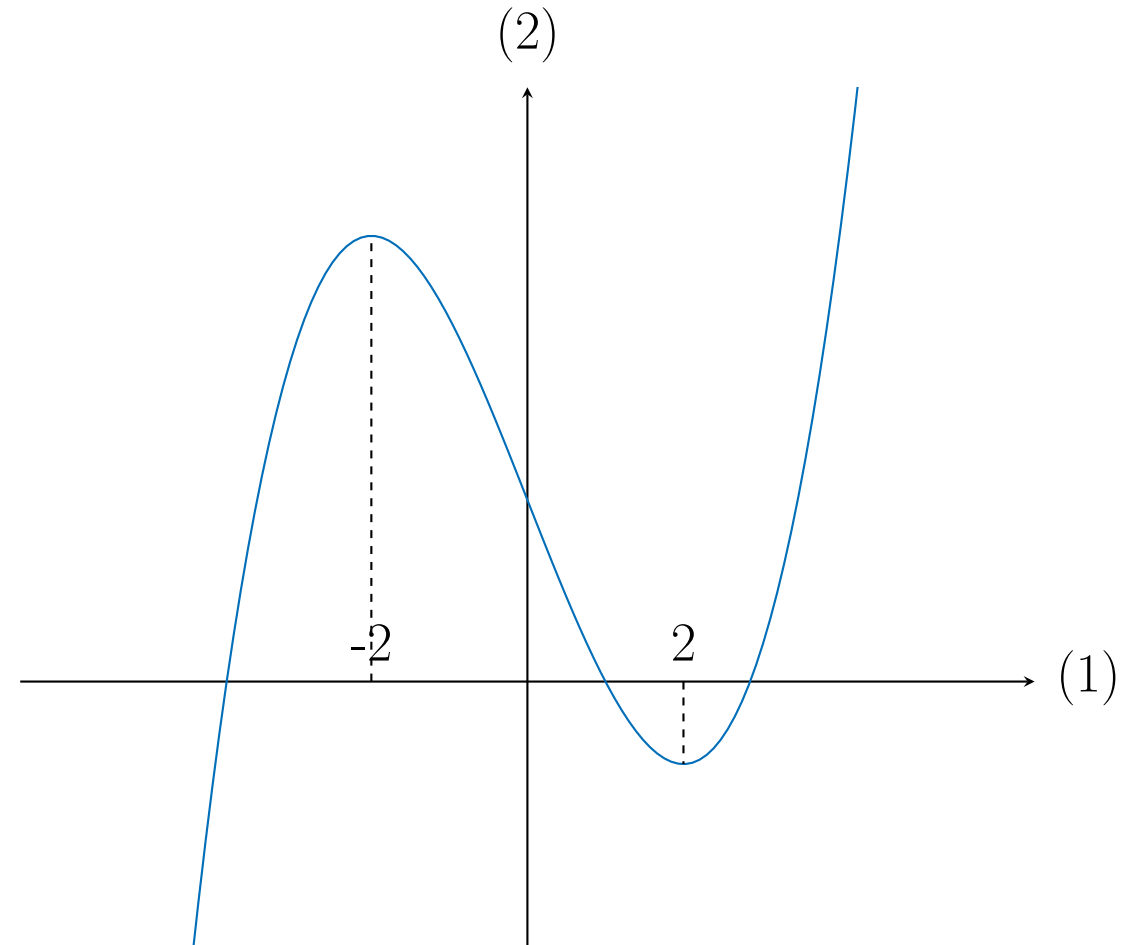
$$0 = 3x^2 - 12$$

$$12 = 3x^2$$

$$4 = x^2$$

$$\pm 2 = 0$$

Bestem fortegn for f' .



Bestem monotoniforhold

Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

Løs ligningen $f'(x) = 0$.

$$f'(x) = 3x^2 - 12$$

$$0 = 3x^2 - 12$$

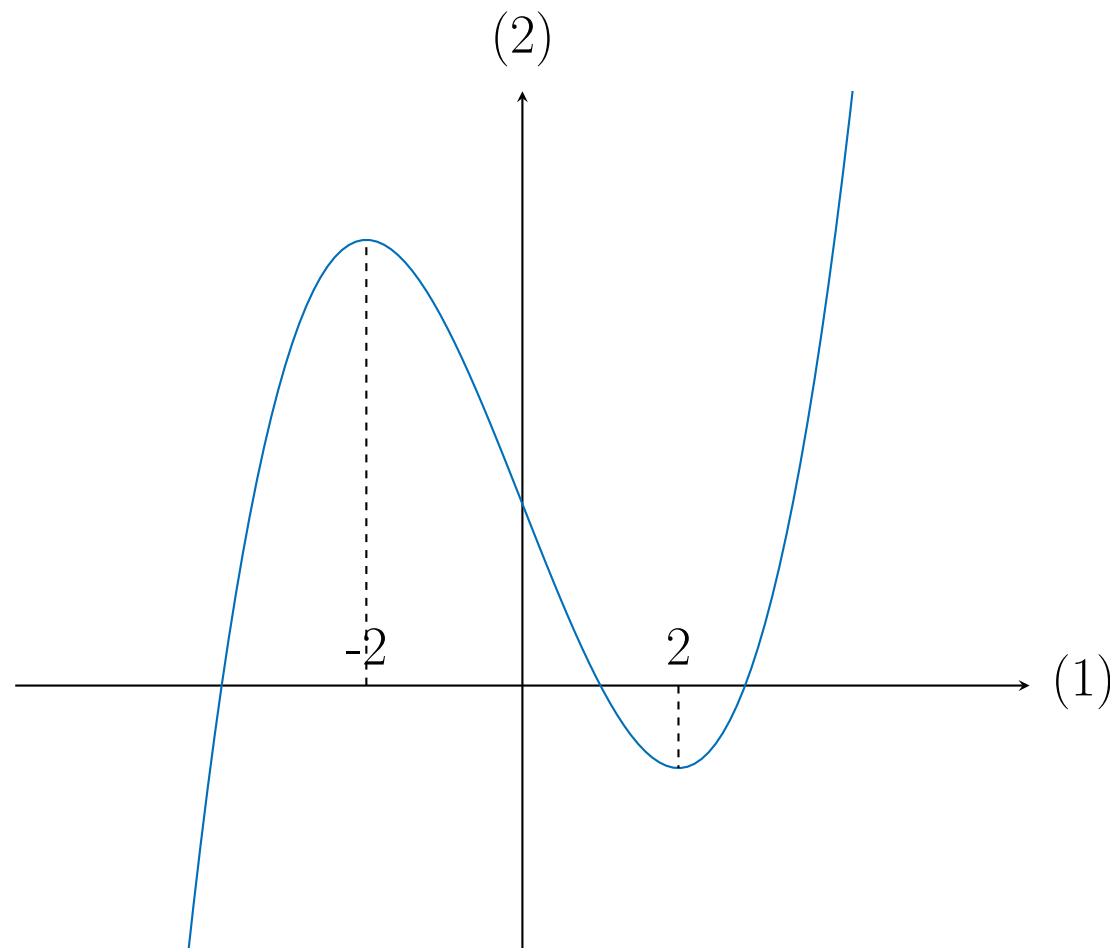
$$12 = 3x^2$$

$$4 = x^2$$

$$\pm 2 = 0$$

Bestem fortegn for f' .

$$f'(-3) = 3 \cdot (-3)^2 - 12$$



Bestem monotoniforhold

Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

Løs ligningen $f'(x) = 0$.

$$f'(x) = 3x^2 - 12$$

$$0 = 3x^2 - 12$$

$$12 = 3x^2$$

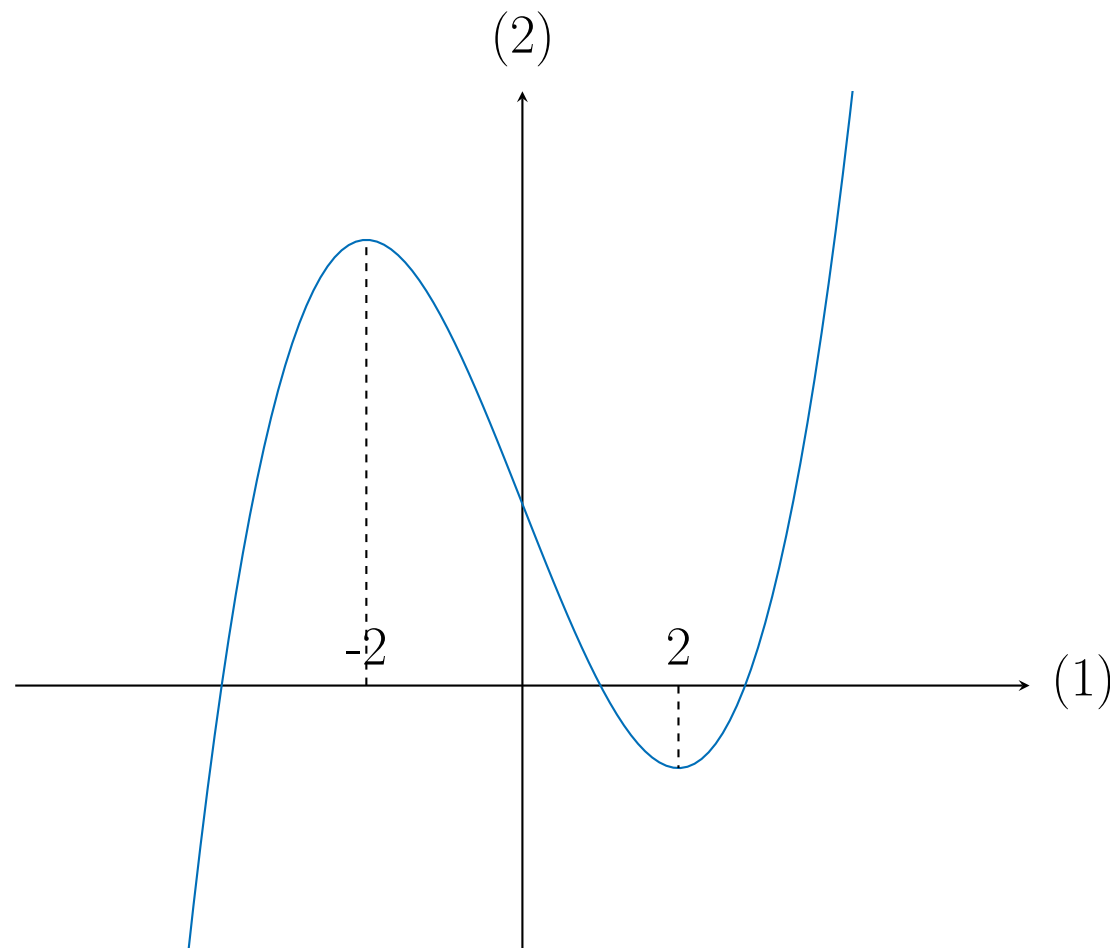
$$4 = x^2$$

$$\pm 2 = 0$$

Bestem fortegn for f' .

$$f'(-3) = 3 \cdot (-3)^2 - 12$$

$$f'(0) = 3 \cdot (0)^2 - 12$$



Bestem monotoniforhold

Bestem monotoniforhold for funktionen

$$f(x) = x^3 - 12x + 11.$$

Løs ligningen $f'(x) = 0$.

$$f'(x) = 3x^2 - 12$$

$$0 = 3x^2 - 12$$

$$12 = 3x^2$$

$$4 = x^2$$

$$\pm 2 = 0$$

Bestem fortegn for f' .

$$f'(-3) = 3 \cdot (-3)^2 - 12$$

$$f'(0) = 3 \cdot (0)^2 - 12$$

$$f'(3) = 3 \cdot (3)^2 - 12$$

