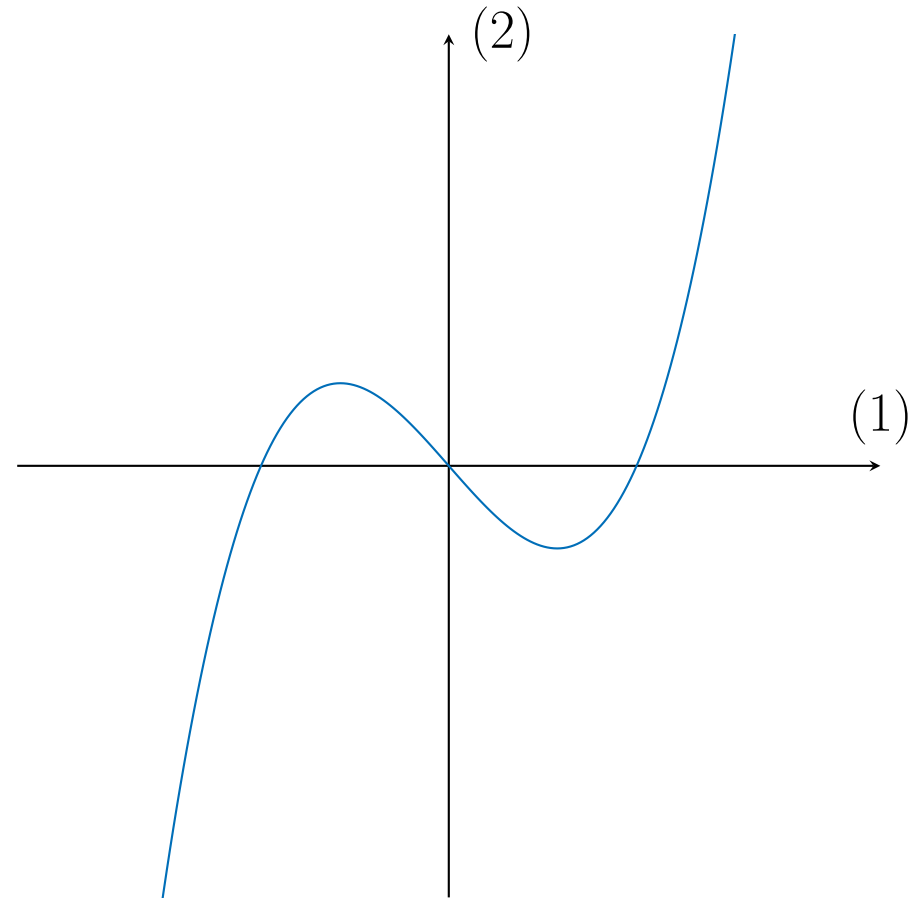


# Bestem tangentligningen

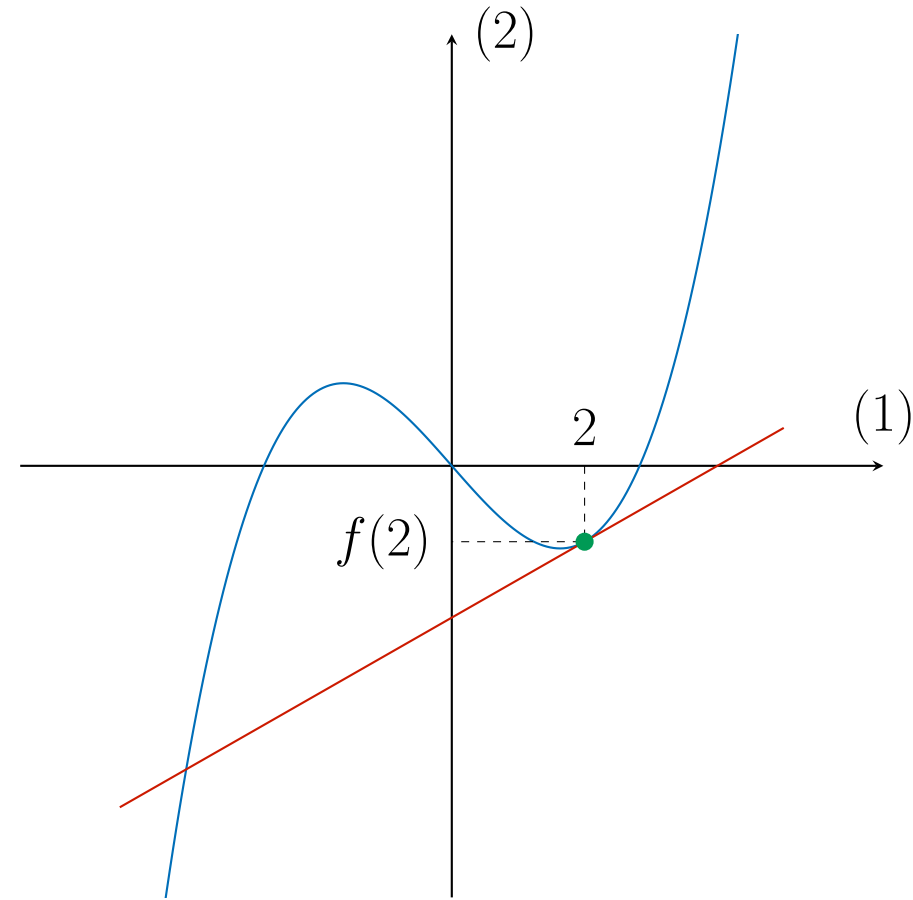
Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .



# Bestem tangentligningen

Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

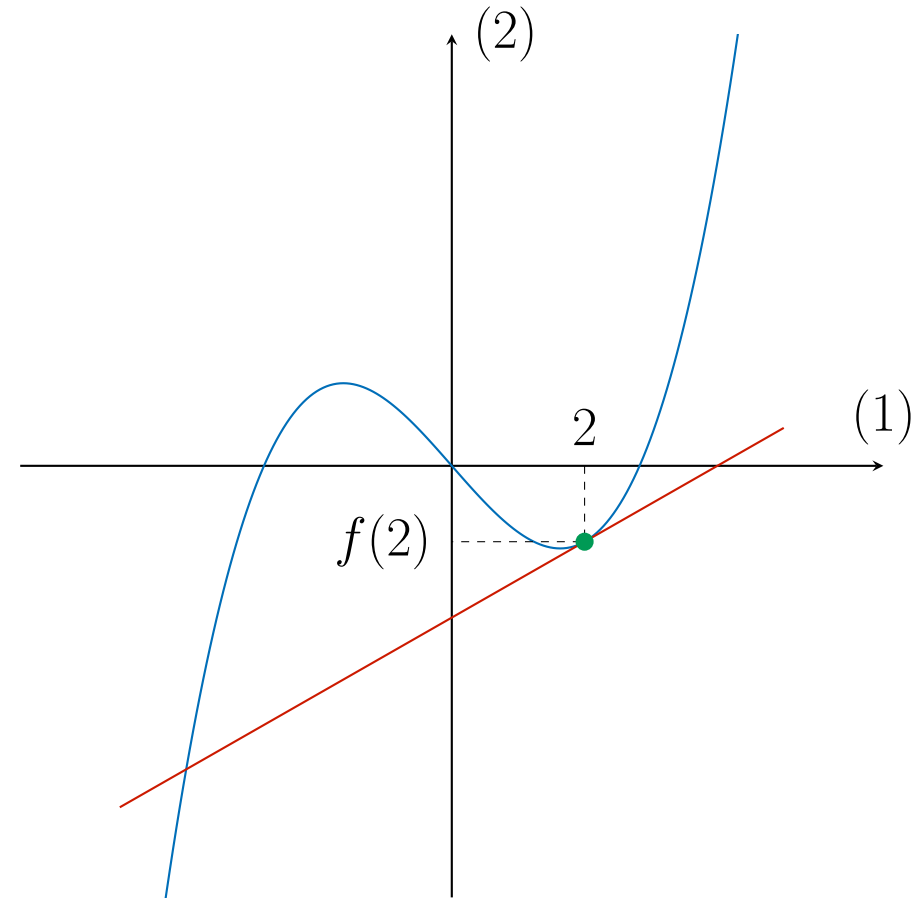


# Bestem tangentligningen

Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

$$y = f'(2) \cdot (x - 2) + f(2)$$



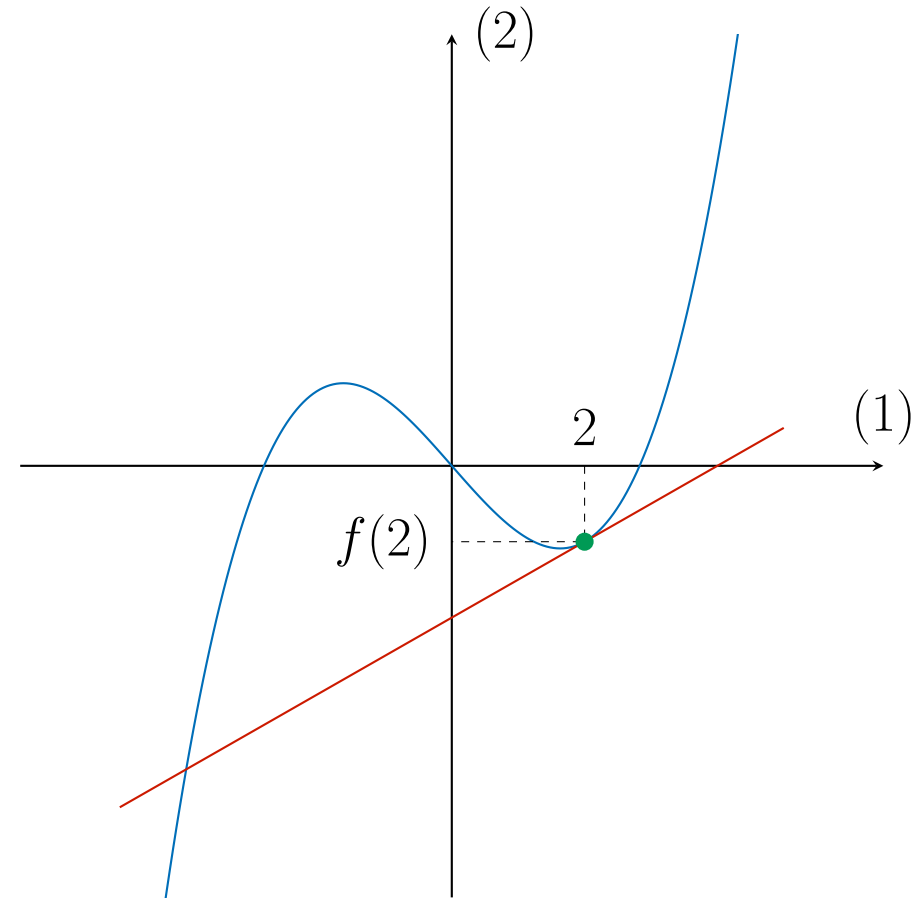
# Bestem tangentligningen

Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

$$y = f'(2) \cdot (x - 2) + f(2)$$

$$f(x) = x^3 - 8x$$



# Bestem tangentligningen

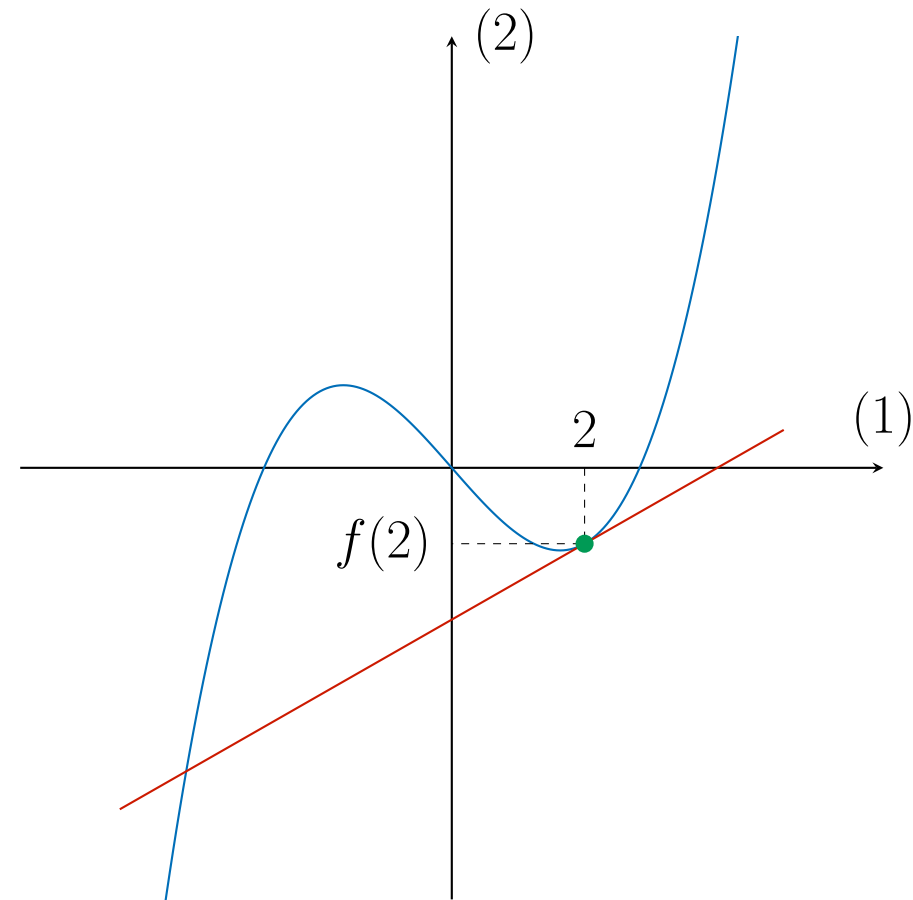
Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

$$y = f'(2) \cdot (x - 2) + f(2)$$

$$f(x) = x^3 - 8x$$

$$f(2) = 2^3 - 8 \cdot 2$$



# Bestem tangentligningen

Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

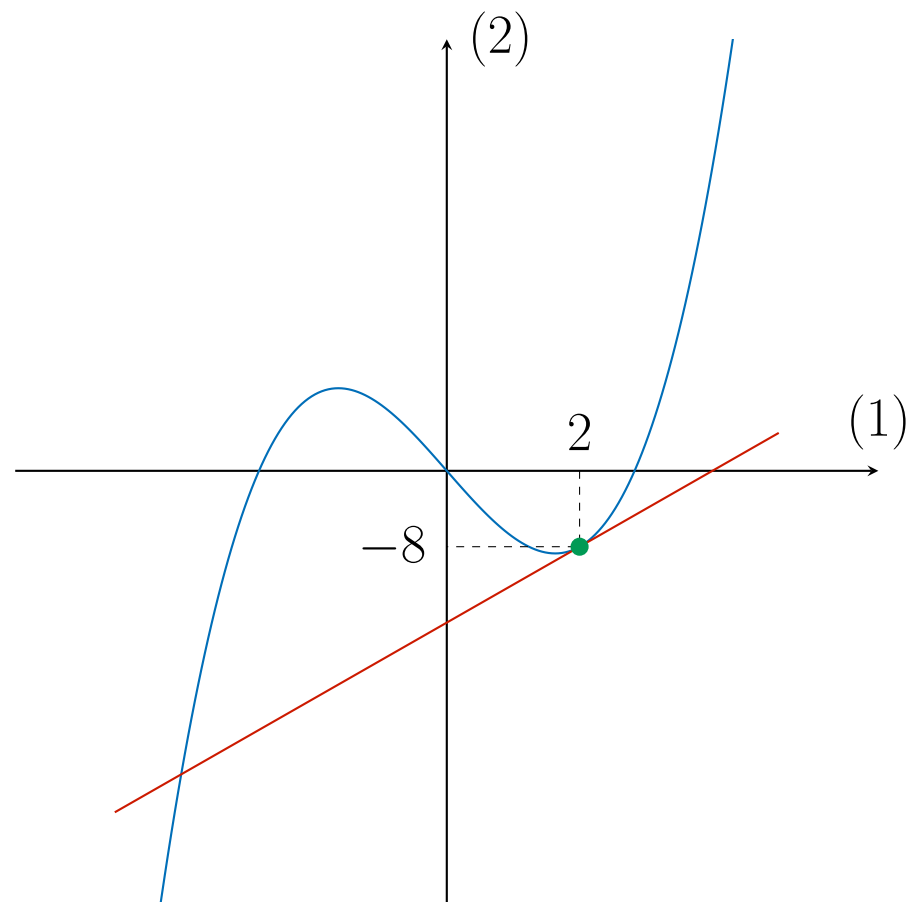
$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

$$y = f'(2) \cdot (x - 2) + f(2)$$

$$f(x) = x^3 - 8x$$

$$f(2) = 2^3 - 8 \cdot 2$$

$$f(2) = -8$$



# Bestem tangentligningen

Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

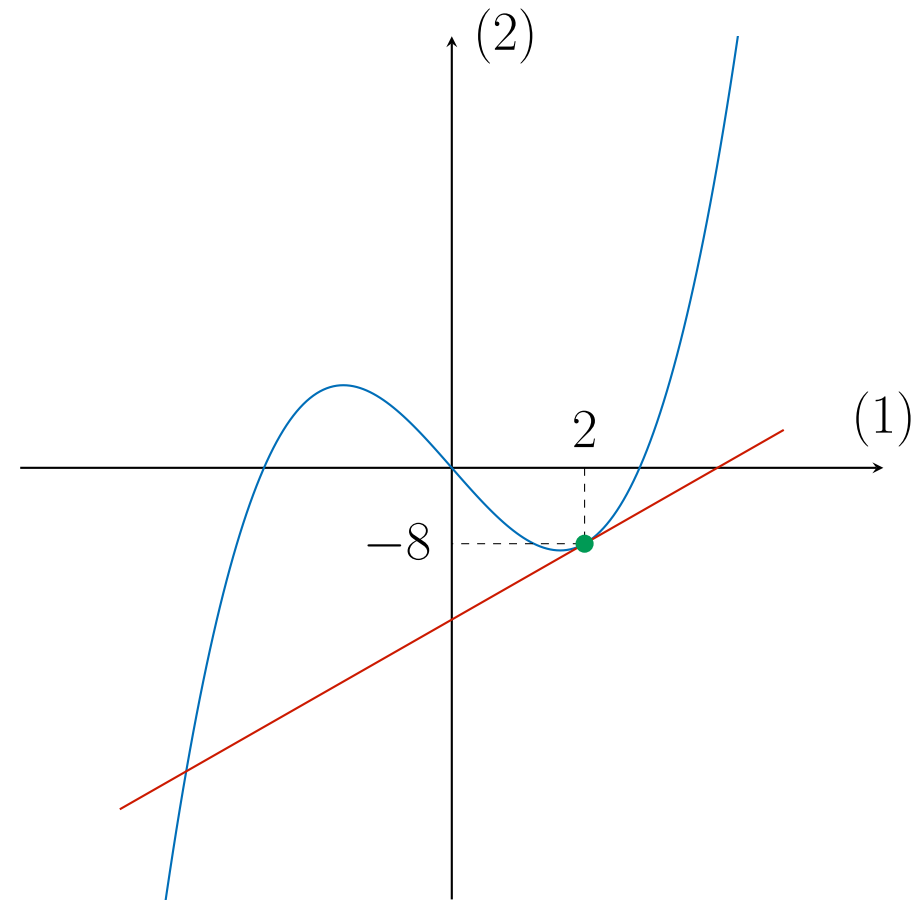
$$y = f'(2) \cdot (x - 2) + f(2)$$

$$f(x) = x^3 - 8x$$

$$f(2) = 2^3 - 8 \cdot 2$$

$$f(2) = -8$$

$$f'(x) = 3x^2 - 8$$



# Bestem tangentligningen

Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

$$y = f'(2) \cdot (x - 2) + f(2)$$

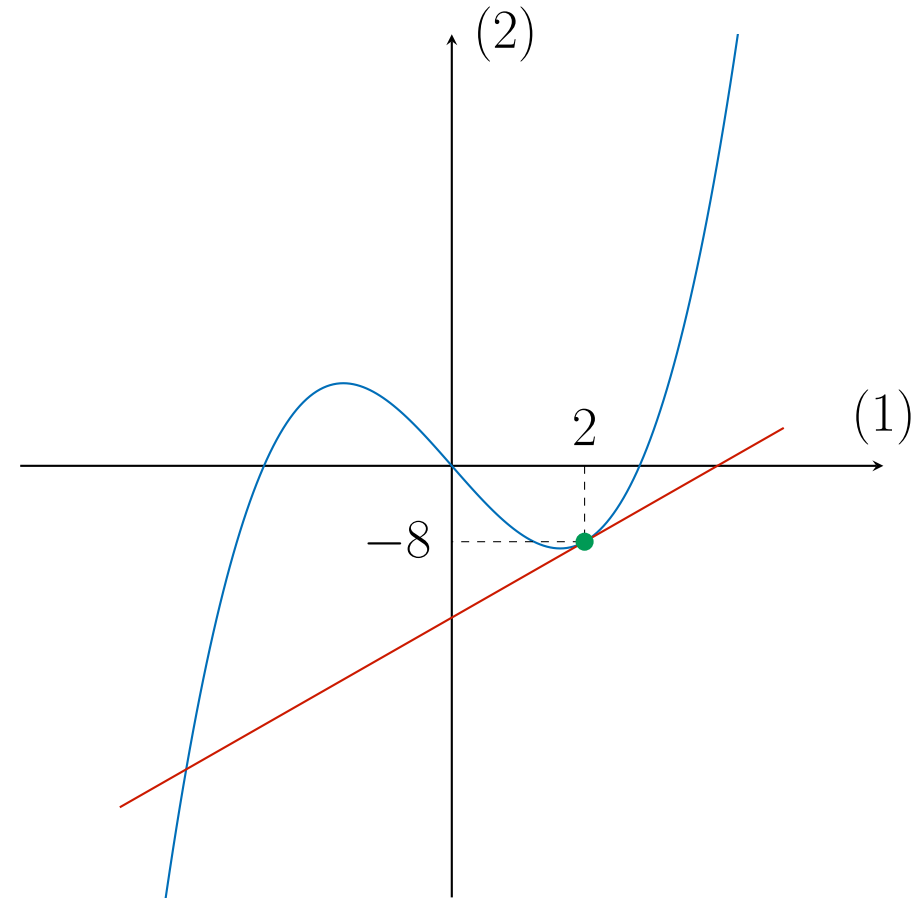
$$f(x) = x^3 - 8x$$

$$f(2) = 2^3 - 8 \cdot 2$$

$$f(2) = -8$$

$$f'(x) = 3x^2 - 8$$

$$f'(2) = 3 \cdot 2^2 - 8$$





# Bestem tangentligningen

Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

$$y = f'(2) \cdot (x - 2) + f(2)$$

$$f(x) = x^3 - 8x$$

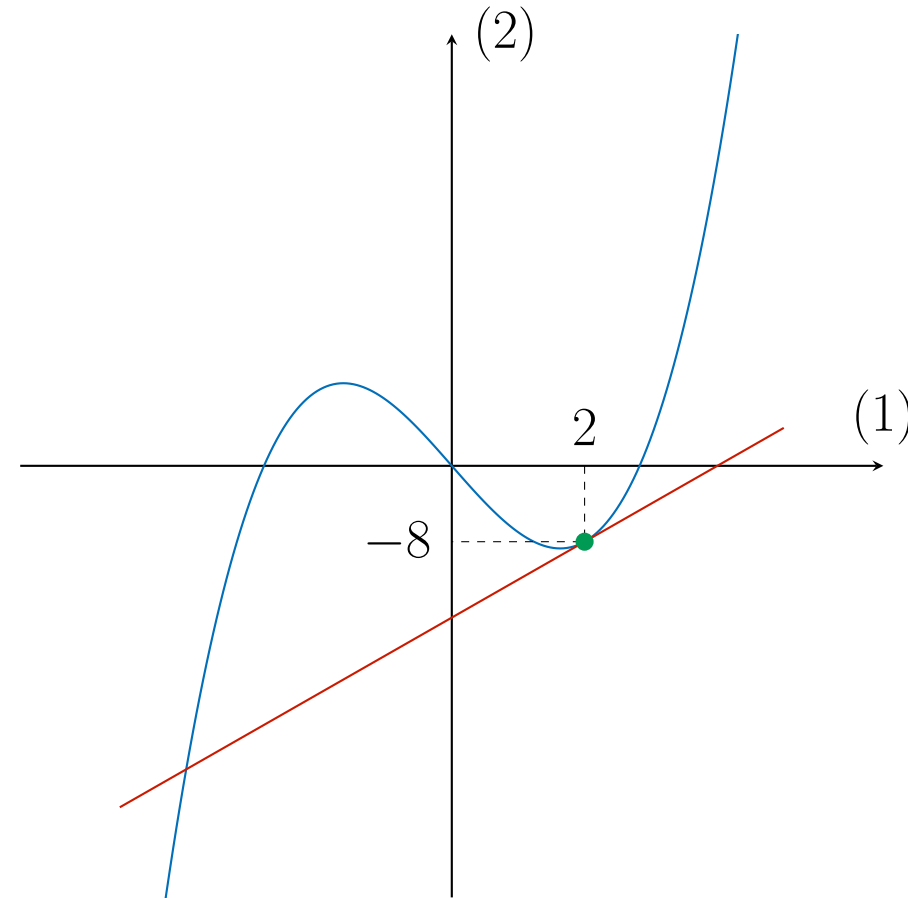
$$f(2) = 2^3 - 8 \cdot 2$$

$$f(2) = -8$$

$$f'(x) = 3x^2 - 8$$

$$f'(2) = 3 \cdot 2^2 - 8$$

$$f'(2) = 4$$



# Bestem tangentligningen

Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

$$y = f'(2) \cdot (x - 2) + f(2)$$

$$f(x) = x^3 - 8x$$

$$f(2) = 2^3 - 8 \cdot 2$$

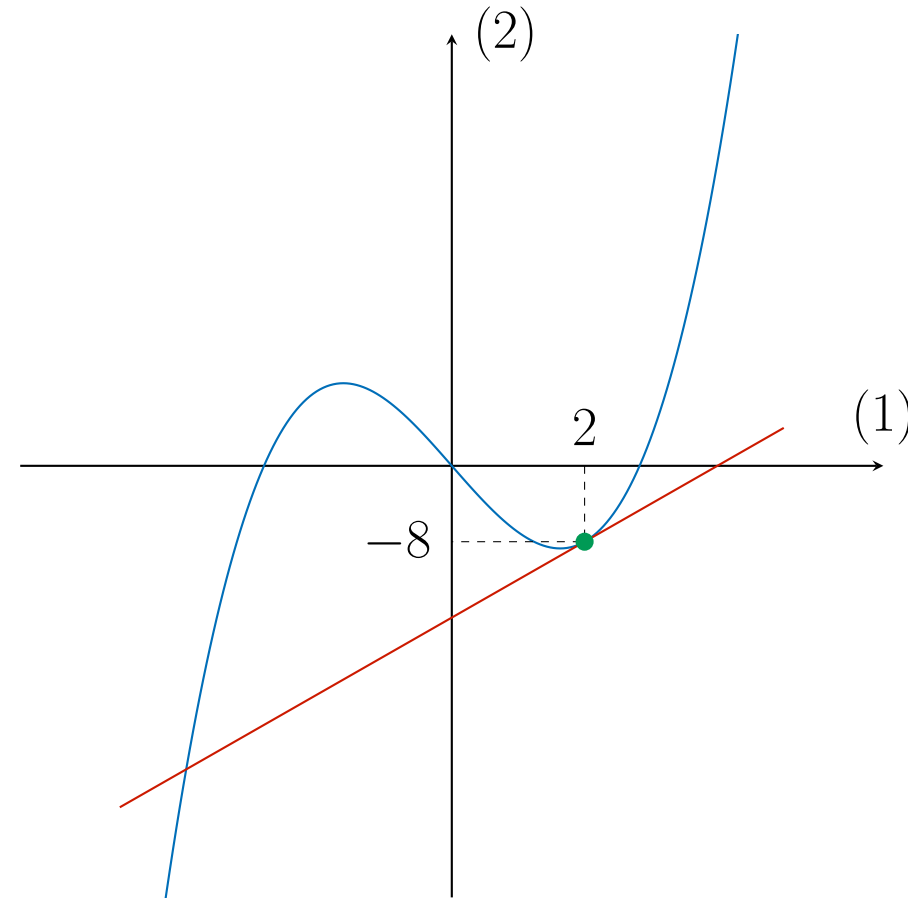
$$f(2) = -8$$

$$f'(x) = 3x^2 - 8$$

$$f'(2) = 3 \cdot 2^2 - 8$$

$$f'(2) = 4$$

$$y = 4 \cdot (x - 2) - 8$$



# Bestem tangentligningen

Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

$$y = f'(2) \cdot (x - 2) + f(2)$$

$$f(x) = x^3 - 8x$$

$$f(2) = 2^3 - 8 \cdot 2$$

$$f(2) = -8$$

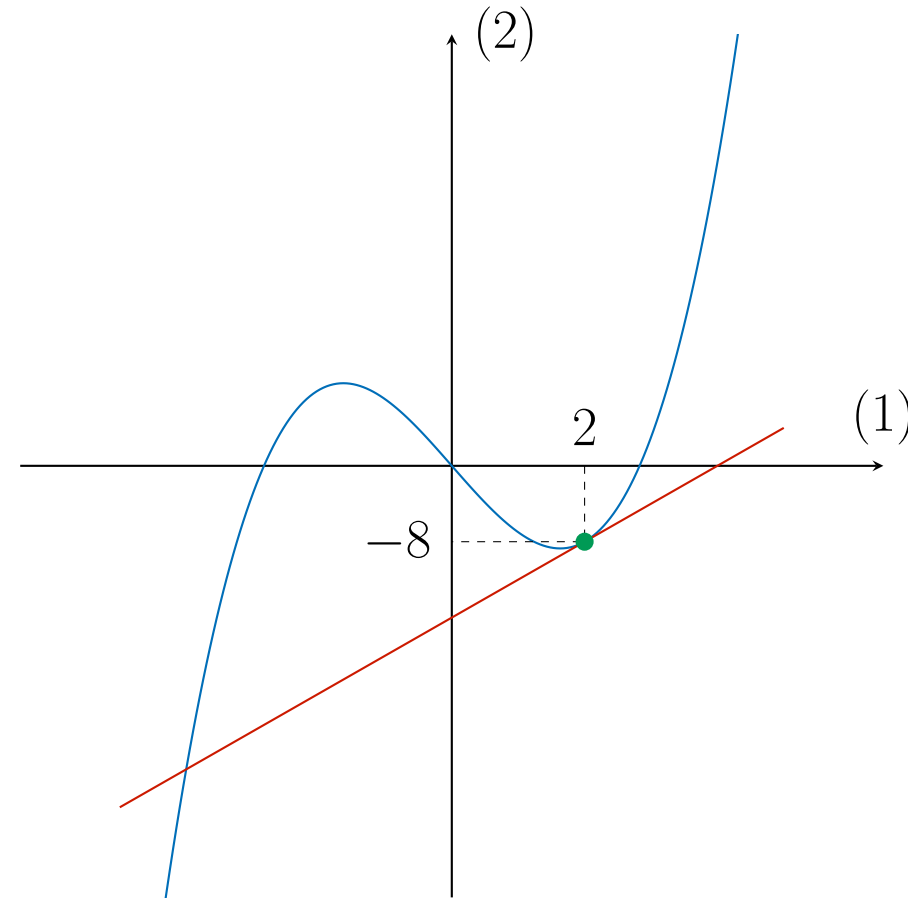
$$f'(x) = 3x^2 - 8$$

$$f'(2) = 3 \cdot 2^2 - 8$$

$$f'(2) = 4$$

$$y = 4 \cdot (x - 2) - 8$$

$$y = 4x - 8 - 8$$



# Bestem tangentligningen

Bestem ligningen for tangenten til grafen for  $f(x) = x^3 - 8x$  i punktet  $(2, f(2))$ .

$$y = f'(x_0) \cdot (x - x_0) + f(x_0)$$

$$y = f'(2) \cdot (x - 2) + f(2)$$

$$f(x) = x^3 - 8x$$

$$f(2) = 2^3 - 8 \cdot 2$$

$$f(2) = -8$$

$$f'(x) = 3x^2 - 8$$

$$f'(2) = 3 \cdot 2^2 - 8$$

$$f'(2) = 4$$

$$y = 4 \cdot (x - 2) - 8$$

$$y = 4x - 8 - 8$$

$$y = 4x - 16$$

