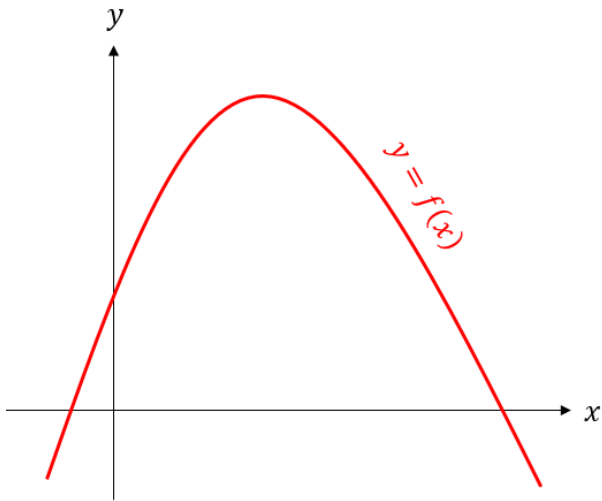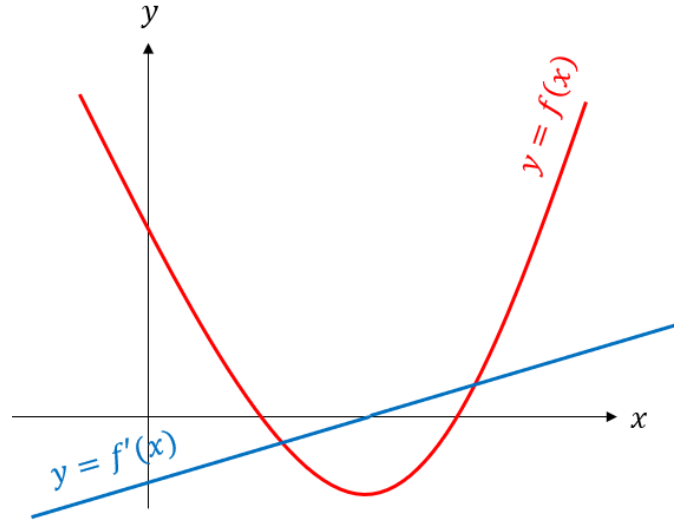# 12.10) Sketching gradient functions

Worked example

Sketch $y = f'(x)$ on the same axes
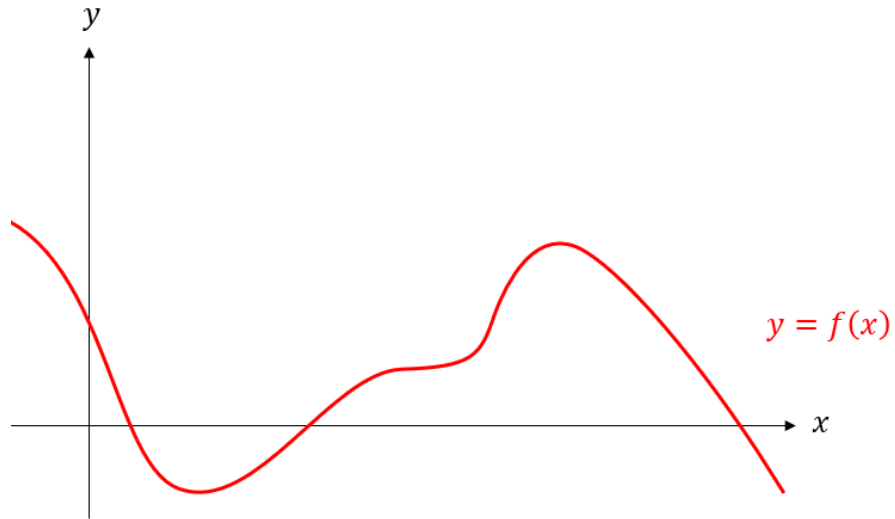

Your turn

Sketch $y = f'(x)$ on the same axes

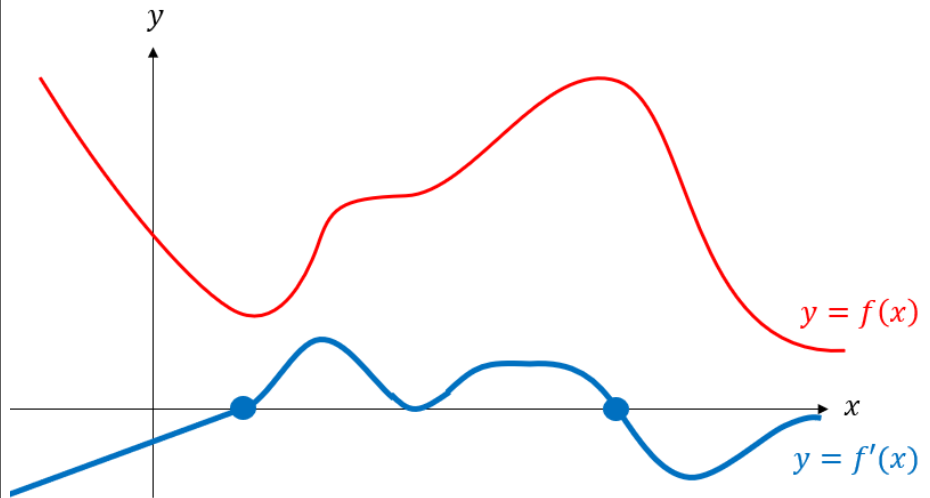# Worked example

Sketch $y = f'(x)$ on the same axes

$y = f(x)$

Your turn

Sketch $y = f'(x)$ on the same axes

$y = f(x)$

$y = f'(x)$

Worked example	Your turn
A negative cubic has the equation $y = f(x)$. The curve has stationary points at $(4, 1)$ and $(-1, 0)$ and cuts the x-axis at $(6, 0)$. Sketch the gradient function, $y = f'(x)$, showing the coordinates of any points where the curve cuts or meets the x-axis.	A positive cubic has the equation $y = f(x)$. The curve has stationary points at $(-1, 4)$ and $(1, 0)$ and cuts the x-axis at $(-3, 0)$. Sketch the gradient function, $y = f'(x)$, showing the coordinates of any points where the curve cuts or meets the x-axis.

$(-1, 0)$ $(1, 0)$