Name: _____

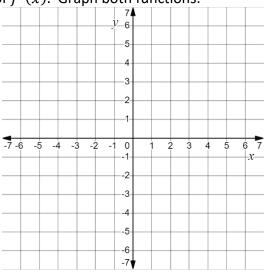
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Learning Goal 3.1	Using all basic derivative rules.
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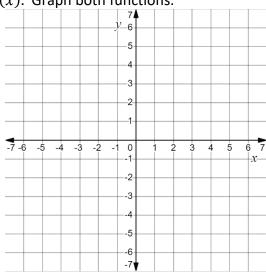
Derivative

Derivative Function

Example Given the function f(x) = 2x + 1, determine the equation of f'(x). Graph both functions.

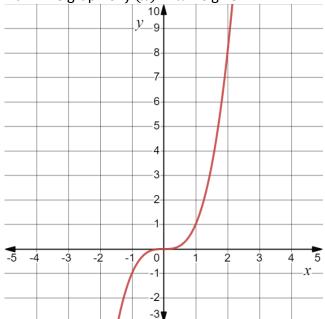


Example Given the function $f(x) = x^2$, determine the equation of f'(x). Graph both functions.

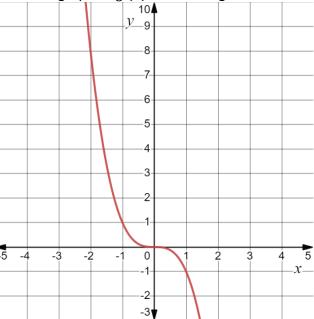


Example Sketch the graph of f'(x) when

a. The graph of $f(x) = x^3$ is given.



b. The graph of $g(x) = -x^3$ is given.



Example Below is the sketch of a function y = f(x). Sketch the graph of its derivative y = f'(x).

