Name: _____   Date: _____

Learning Goal 3.3	Using more derivative rules.

You can take the derivative of a derivative …

Example Find $y^{(4)}$ of $y = x^3 - 6x^2 - 5x + 3$.

Example Find $f^{(n)}(x)$ if $f(x) = \dfrac{1}{x}$.

Example Find y'' if $x^4 + y^4 = 16$.

Example Find $\dfrac{d^{27}}{dx^{27}}(\cos x)$.