Day 3 Notes: Finding the Derivative of a Composite Function

Chain Rule of Differentiation of Composite Functions

Find the derivative of each of the following functions by applying the chain rule.

$f(x) = \left(3x^2 + 2\right)^3$	$h(x) = \sqrt[3]{(x+2)^2}$
$F(x) = 5\sqrt[3]{x^2 + 2x}$	$h(x) = \sin^2(2x+1)$

 $g(x) = \sin\left(\frac{2x+1}{x-3}\right)$

 $h(x) = \frac{\sqrt{2x+5}}{x-3}$