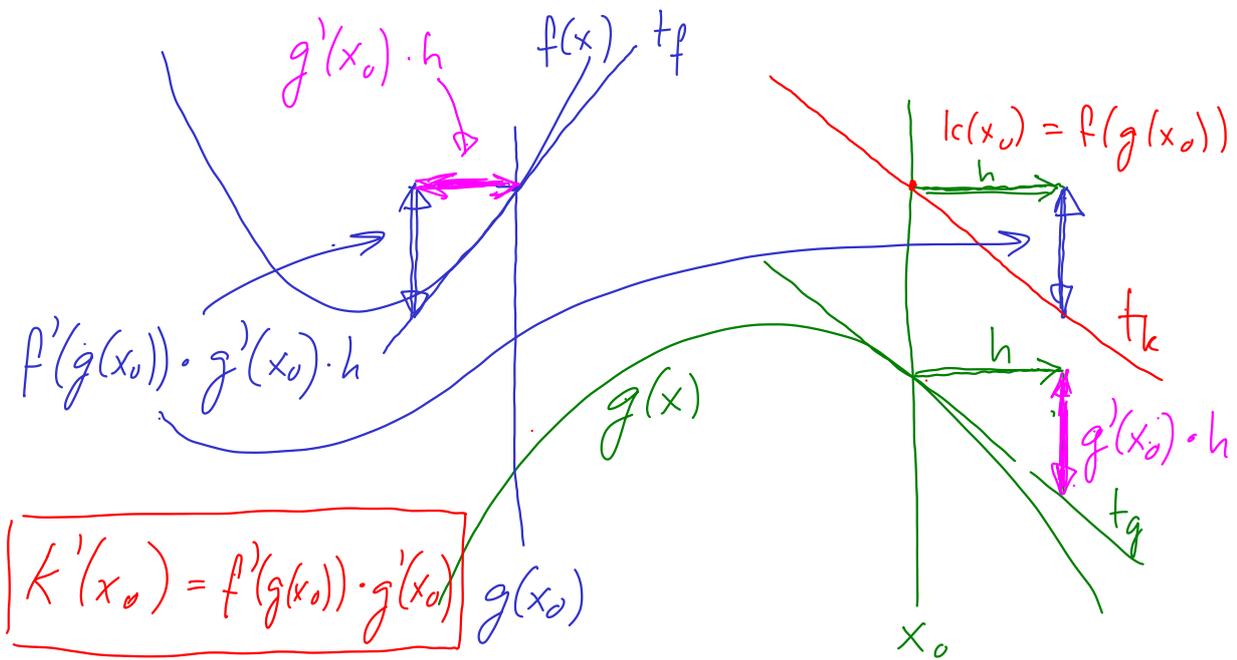


A 412



$k'(x_0) = f'(g(x_0)) \cdot g'(x_0)$

A 414

a) $f(x) = e^{x^2}$ $f(x) = g(h(x))$
 $g(x) = e^x$ $h(x) = x^2$
 $g'(x) = e^x$ $h'(x) = 2x$

$(g(h(x)))' = g'(h(x)) \cdot h'(x)$
 $e^{x^2} \cdot 2x = f'(x)$

b) $f(x) = (e^x)^2$