

**Differentiation - Chain Rule (Extra Practice)**

Differentiate each of the following:

a)  $h(x) = \cos 6x$

b)  $y = \ln(2x^2 - 3x)$

c)  $f(x) = e^{-6x}$

d)  $y = \sqrt{x^2 + 4x}$

e)  $y = \sin^2 x$

f)  $f(x) = \ln(\cos x)$