3.4 The Chain Rule

Name: Date:

P 7. Find the derivative of $h(w) = (w^4 - 2w)^5$.

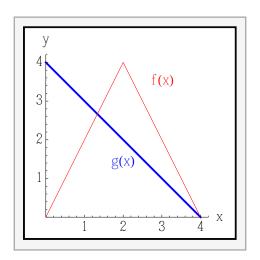
P 11. Find the derivative of $f(x) = e^{2x}(x^2 + 5^x)$

P 25. Find the derivative of $y = \sqrt{s^3 + 1}$.

P 31. Find the derivative of $f(y) = \sqrt{10^{5-y}}$.

P 47. Find the derivative of $y = \sqrt{e^{-3t^2} + 5}$.

P 59. Consider the graphs of f(x) and g(x).



Let v(x) = f(f(x)). Find:

(a) v'(1)

(b) v'(2)

(c) v'(3)

