

Name: Solutions

Quiz #5 - October 15, 2007

1. Find $\frac{dy}{dx}$
a. $y = (x - x^3)^{15}$

$$\frac{dy}{dx} = 15(x - x^3)^{14}(1 - 3x^2).$$

- b. $y = \sec x$

$$\frac{dy}{dx} = \sec x \tan x.$$

- c. $y = \sin(e^x)$

$$\frac{dy}{dx} = e^x \cos(e^x).$$