QUICK REVIEW #4 – DERIVATIVES: GENERAL POWER RULE

Name	
Date	Hour

1. Find the derivative for each of the following functions:

_____a.
$$f(x) = 3 + x^2$$

_____b.
$$f(x) = x^2 + \frac{1}{x^2} - 8x$$

$$\underline{\qquad} c. f(x) = 3 \sin x$$

_____d.
$$f(x) = \frac{x^4 + x^3 + x + 2}{x^3}$$

2. Find the value of the derivative of the function at the indicated point:

_____a. $f(x) = x(x^2 + 1)$ at (3, 30)