

Using Natural Logs to Differentiate

Name _____

Date _____ Period _____

Differentiate the following functions

$$y = x^3(x + 1)(2x - 3)^4$$

Differentiate the following functions

$$y = \frac{x^2(x - 3)}{(4x - 1)^3}$$

Differentiate the following functions

$$y = \frac{(x - 1)^2}{\sqrt{(x^2 + 2)}}$$