

An exponential function in the form

Four basic properties of logarithms:

$$\log_8 (x - 10) + \log_8 9 = 1$$

$$\log_3 (x - 9) - \log_3 8 = 1$$

$$\log 2 - \log -5x = 1$$

$$\log_7 3x + \log_7 6 = \log_7 80$$

$$\log 8 - \log (x - 6) = \log 26$$

$$\log (x + 4) - \log x = 2$$