Unit 4 Day 2 HW

Graph the following logarithmic functions. Try making a table if you are stuck.

1. Write the following in exponential form:

(a) $\log_3 x = 9$

(b) $\log_2 8 = x$

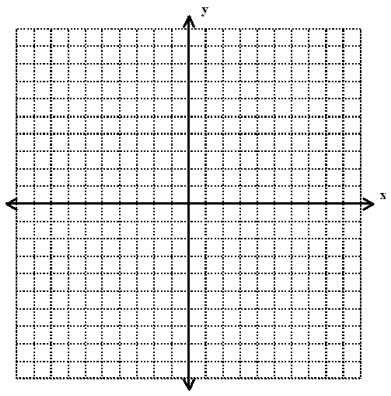
(c) $\log_3 27 = x$

(d) $\log_4 x = 3$

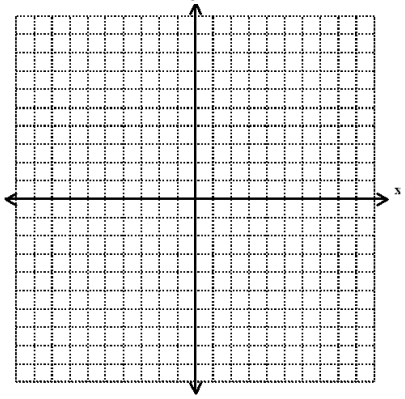
(e) $\log_2 y = 5$

(f) $\log_5 y = 2$

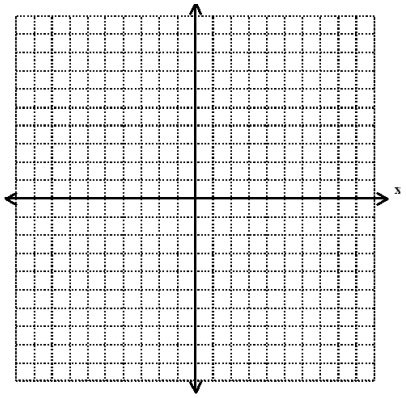
1. $f(x) = log_3 x$



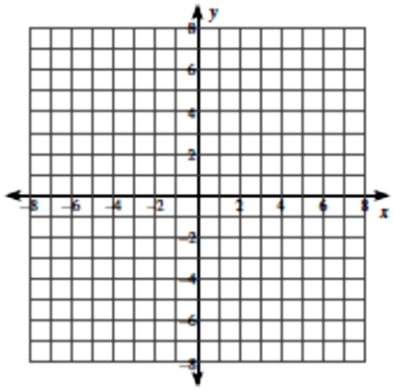
2. $f(x) = log_{10} x$



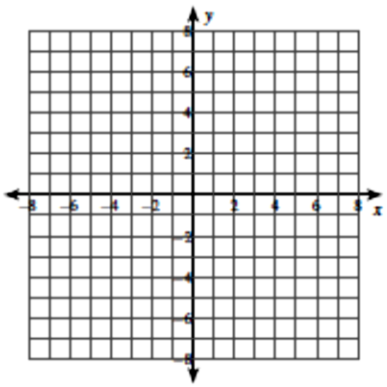
3. $f(x) = log_4 x$



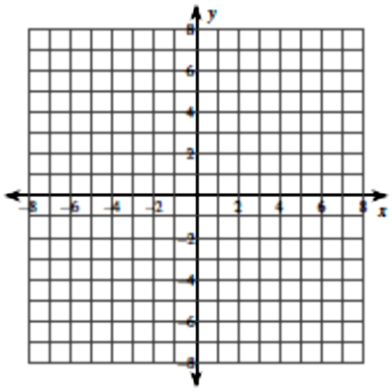
4) $y = \log_2 (x-1) + 3$



5) $y = \log_4 (x+1) - 4$



6) $y = \log_5 (x+1) + 1$



Textbook Pg, 405: #1-4, #45-51 odd