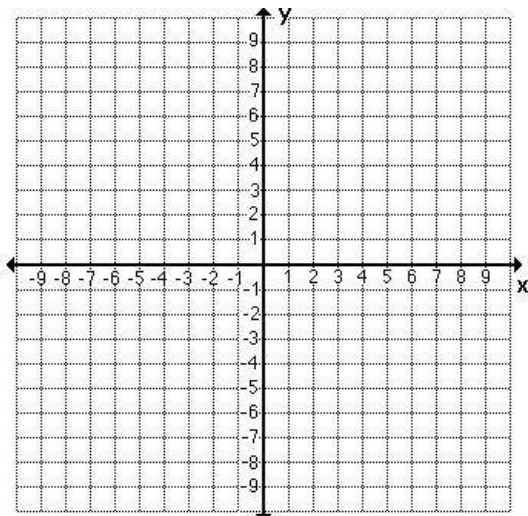


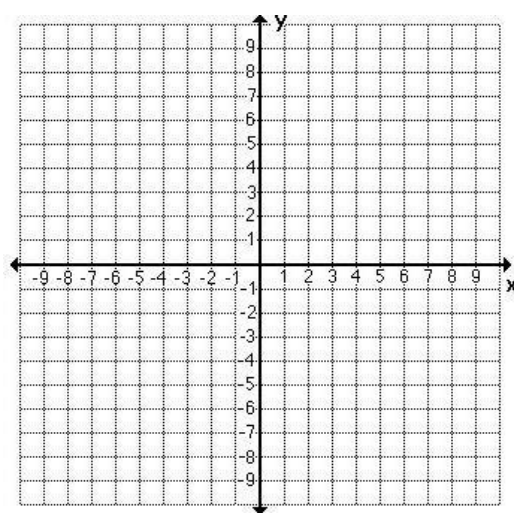
Graphing Logarithmic Functions Worksheet

Graph the following. Label all points used to graph and find the range and domain for each.

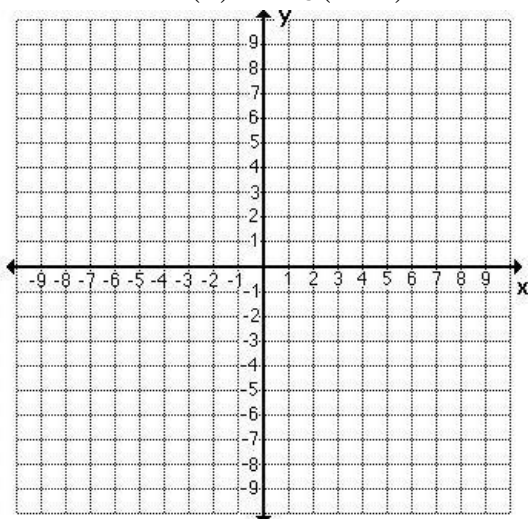
1) $f(x) = \log_3(x+4) - 2$



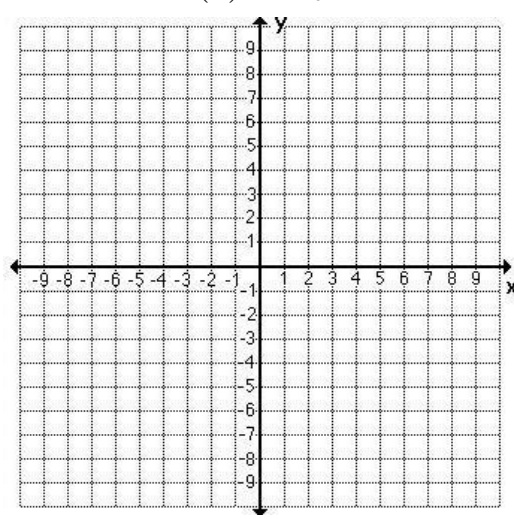
2) $f(x) = \log_4(x+2) + 3$



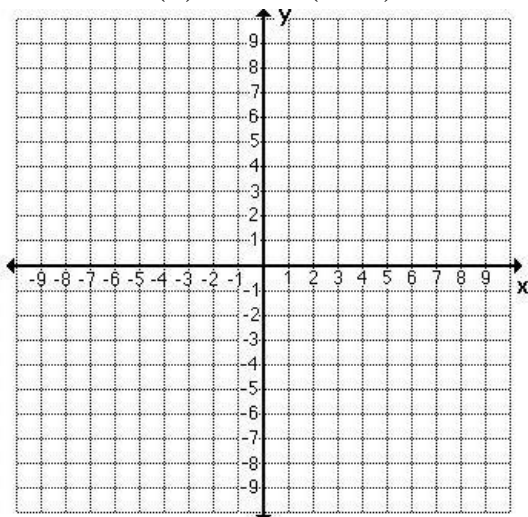
3) $f(x) = \log_5(x+3)$



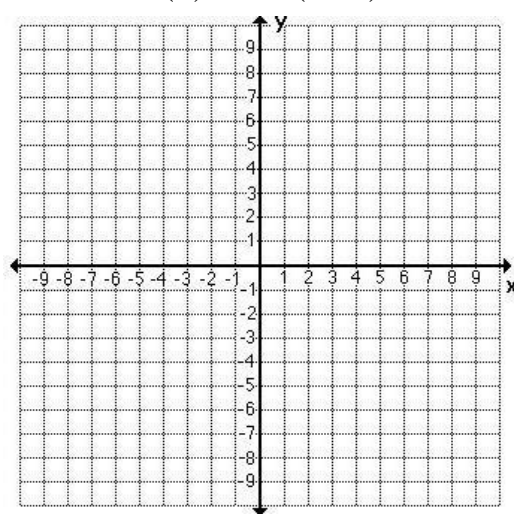
4) $f(x) = \log_6 x - 3$



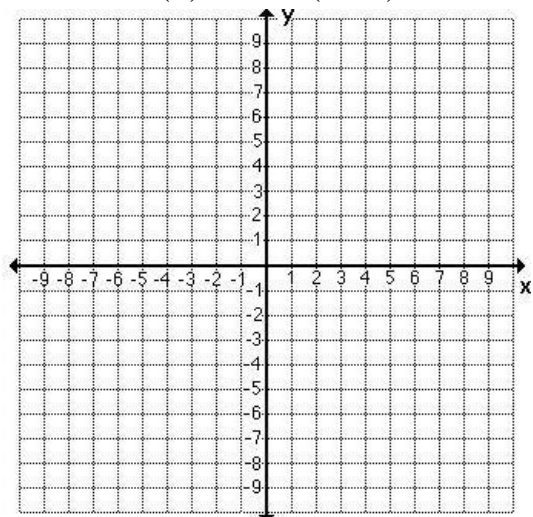
5) $f(x) = -\log_3(x-2) + 2$



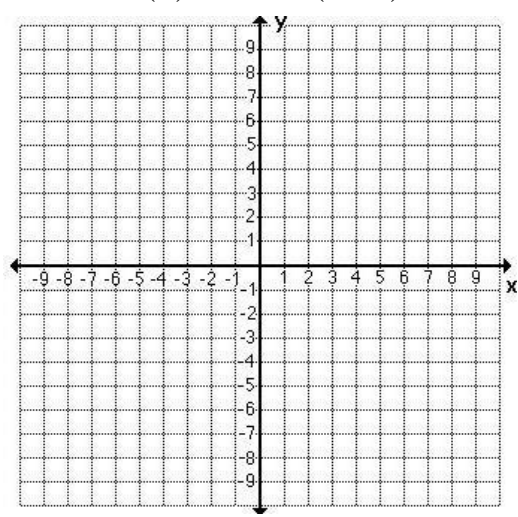
6) $f(x) = \log_4(x-3) - 2$



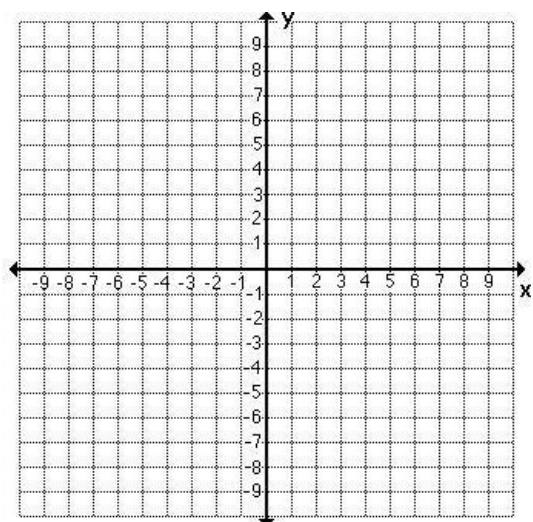
$$7) f(x) = 2\log_3(x+4) - 2$$



$$8) f(x) = -2\log_3(x+2) + 3$$



$$9) f(x) = \ln(x-4) + 2$$



$$10) f(x) = \frac{1}{2}\log_2(x+6) + 3$$

