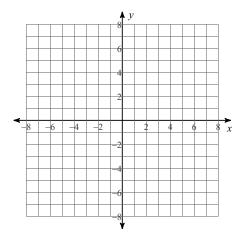
Graphing Logarithmic Functions

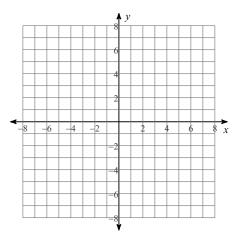
Date Block____

Identify the domain and range of each. Then sketch the graph.

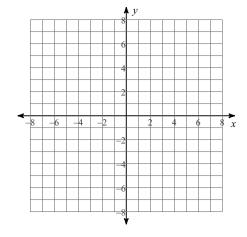
1)
$$y = \log_3(x+5) + 2$$



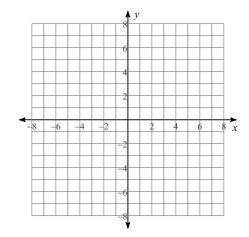
2)
$$y = \log_{\frac{1}{4}} (x - 1) + 3$$



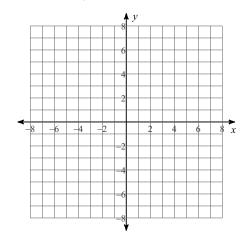
3)
$$y = \log_4(x-1) - 2$$



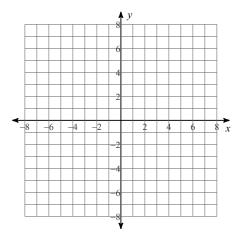
4)
$$y = \log_4(x - 1) + 2$$



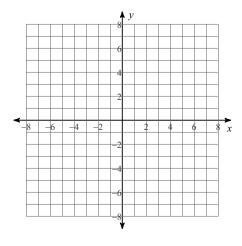
5) $y = \log_6(x - 1) + 5$



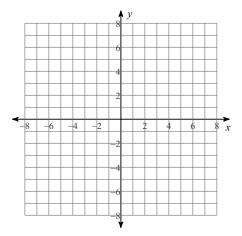
6) $y = \log_{\frac{1}{5}} (x + 1)$



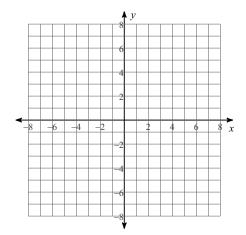
7) $y = \log_4(x - 1) - 4$



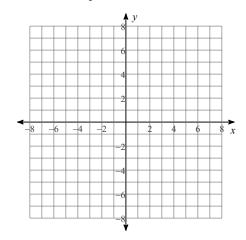
8) $y = \log_4(x-3) - 1$



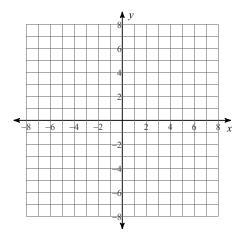
9) $y = \log_6(x-1) + 4$



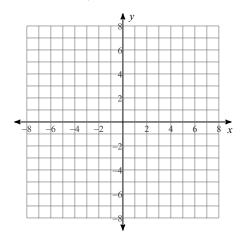
10) $y = \log_3(x - 1) - 1$



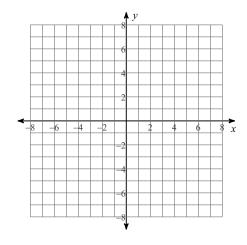
11)
$$y = \log_{\frac{1}{5}} (x - 1) + 2$$



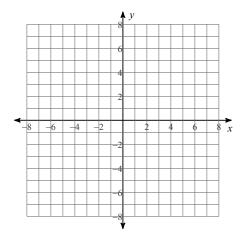
12)
$$y = \log_6(x-1) - 2$$



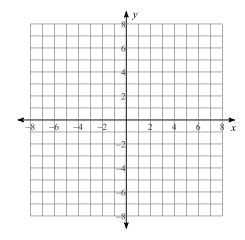
13)
$$y = \log_3(x+3) - 1$$



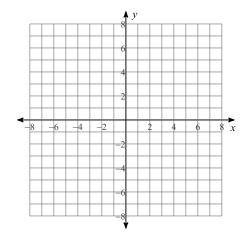
14)
$$y = \log_{\frac{1}{4}} (x - 1) - 2$$



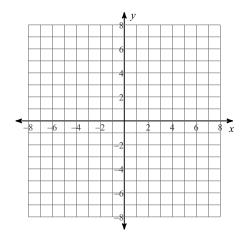
15)
$$y = \log_3(x+6) - 2$$



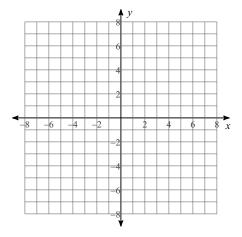
16)
$$y = \log_2(x-2) + 3$$



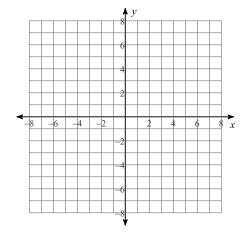
17)
$$y = \log_6(x - 1) + 1$$



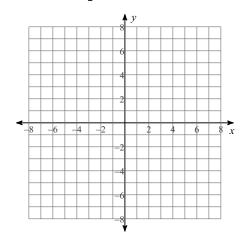
18)
$$y = \log_3(x-1) + 4$$



19)
$$y = \log_4(x - 1) + 1$$



20)
$$y = \log_2(x - 1)$$



Answers to Graphing Logarithmic Functions (ID: 1)

