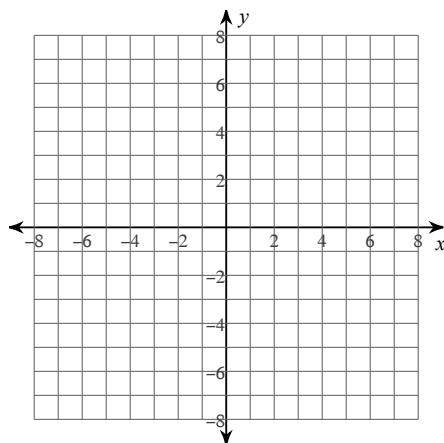


WS Log Graphing

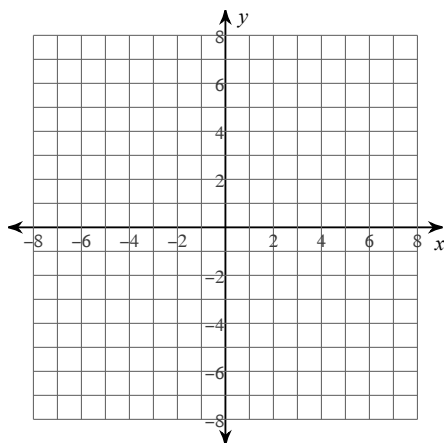
Date _____ Period _____

Sketch the graph, and identify the domain and range of each.

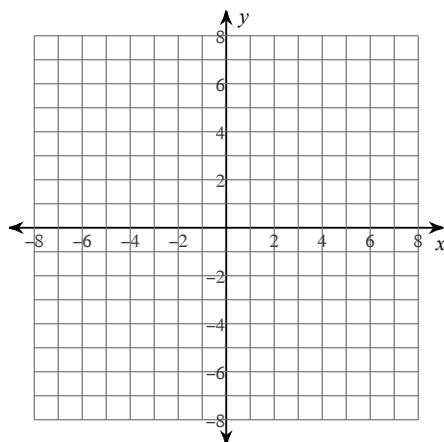
1) $f(x) = \log_5 (x - 1) - 2$



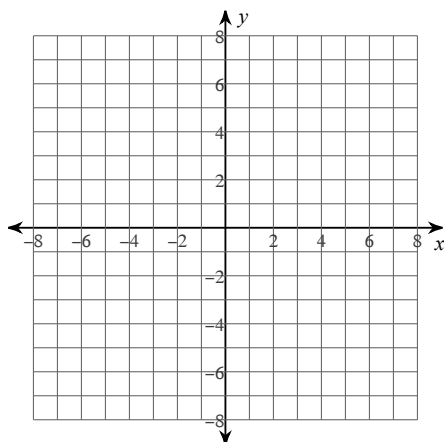
2) $f(x) = \log_4 (x - 1) + 4$



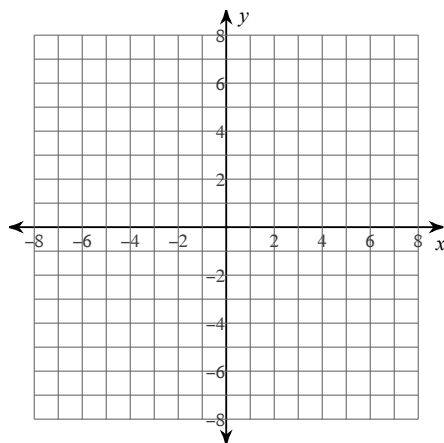
3) $f(x) = \log_4 (x + 5) + 2$



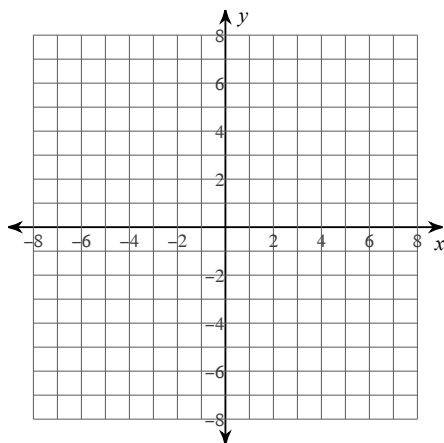
4) $f(x) = \log_2 (x + 2) + 1$



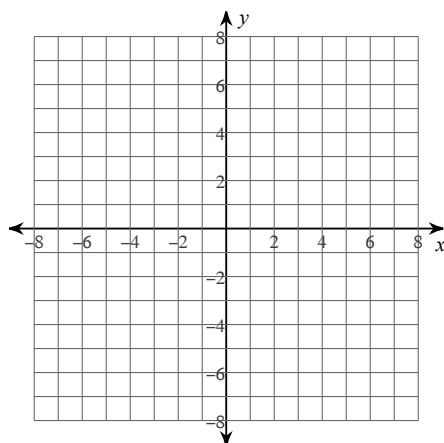
5) $f(x) = \log_5 (x - 1) + 2$



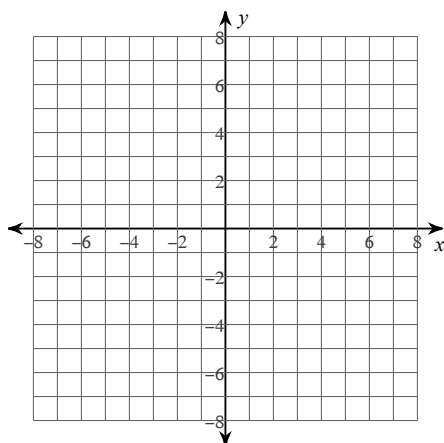
6) $f(x) = \log_6 (x - 1) + 5$



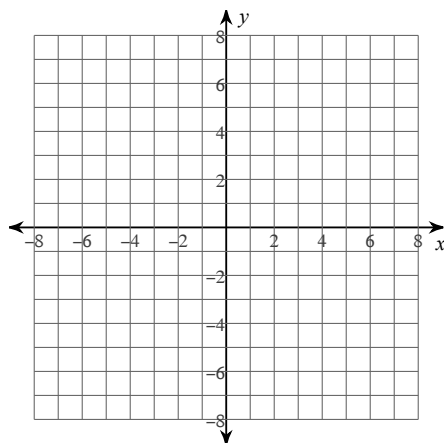
7) $f(x) = \log_3(x - 2) + 2$



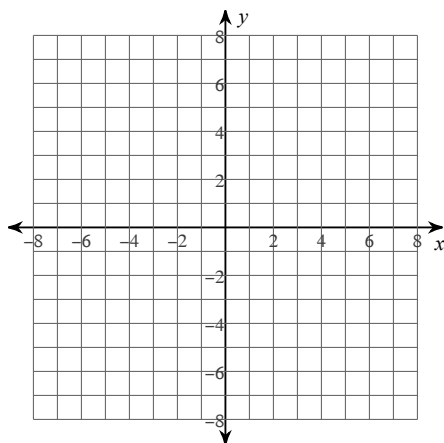
8) $f(x) = \log_5(x - 1) - 3$



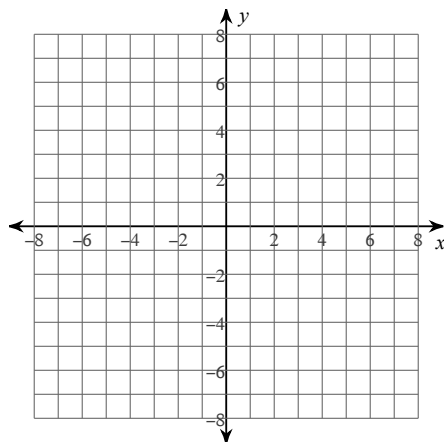
9) $y = \log_5(x - 1) + 1$



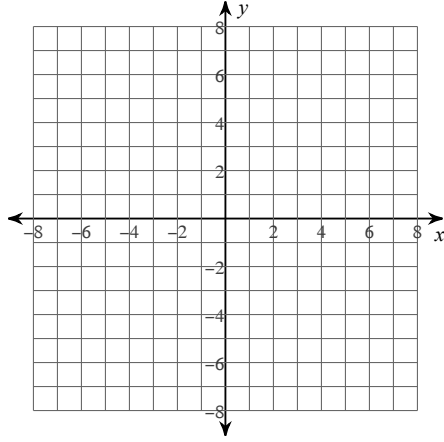
10) $y = \log_6(x - 1) + 1$



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

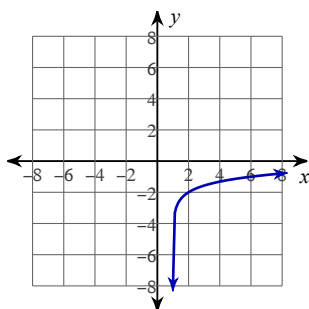


12) $y = \ln(x - 1) - 5$



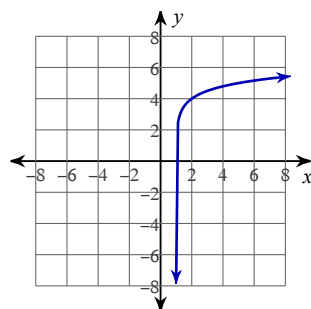
Answers to WS Log Graphing (ID: 1)

1)



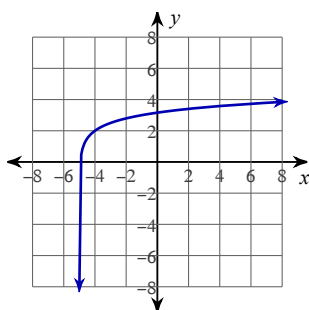
Domain: $x > 1$
Range: All reals

2)



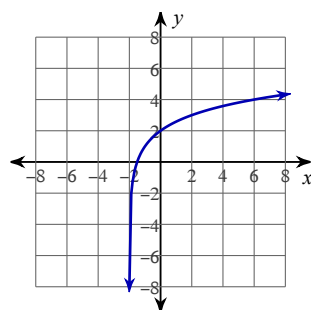
Domain: $x > 1$
Range: All reals

3)



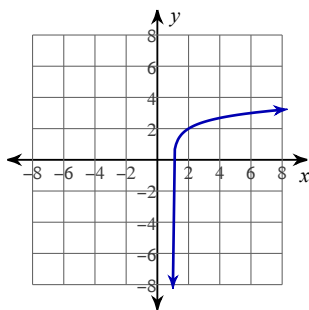
Domain: $x > -5$
Range: All reals

4)



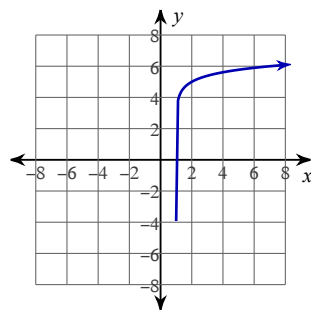
Domain: $x > -2$
Range: All reals

5)



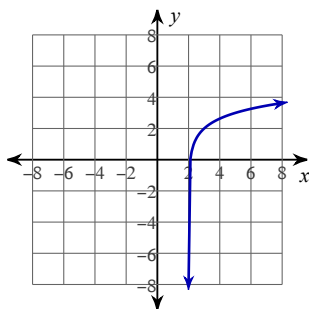
Domain: $x > 1$
Range: All reals

6)



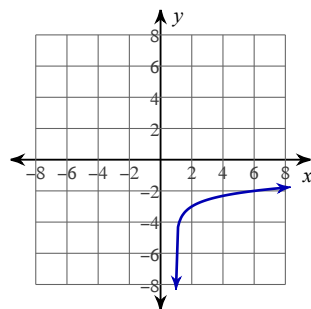
Domain: $x > 1$
Range: All reals

7)



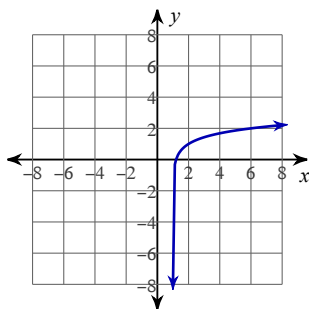
Domain: $x > 2$
Range: All reals

8)



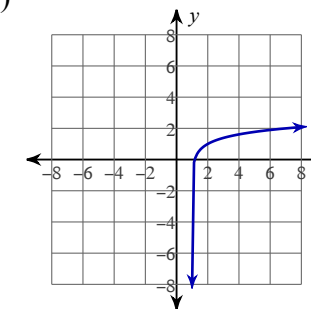
Domain: $x > 1$
Range: All reals

9)



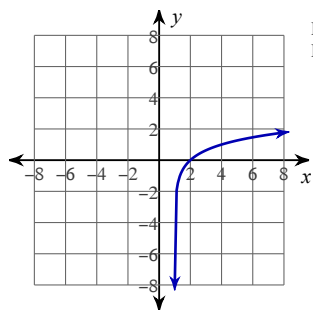
Domain: $x > 1$
Range: All reals

10)



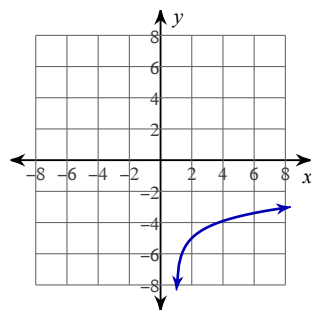
Domain: $x > 1$
Range: All reals

11)



Domain: $x > 1$
Range: All reals

12)



Domain: $x > 1$
Range: All reals