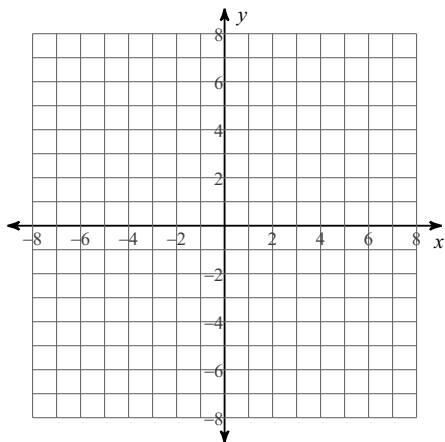


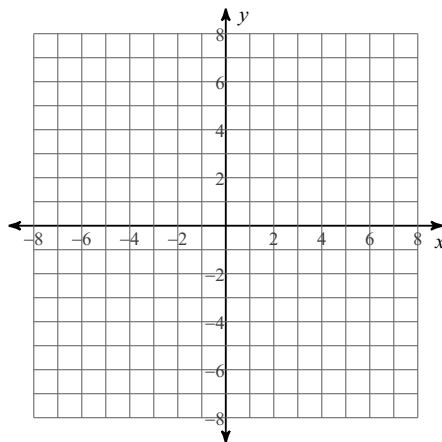
5.10 Graphing Logarithms

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

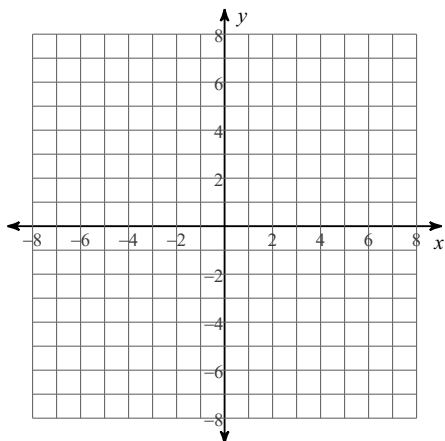
1) $y = \log_2 (x - 1) + 2$



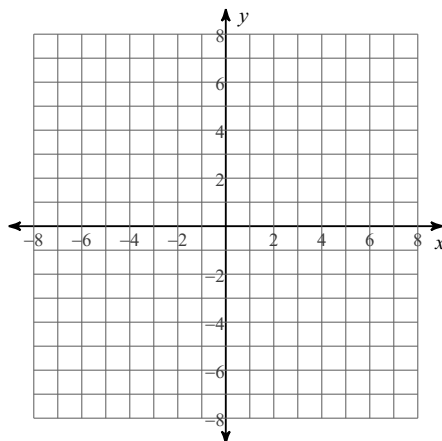
2) $y = \log_3 (x - 3) + 3$



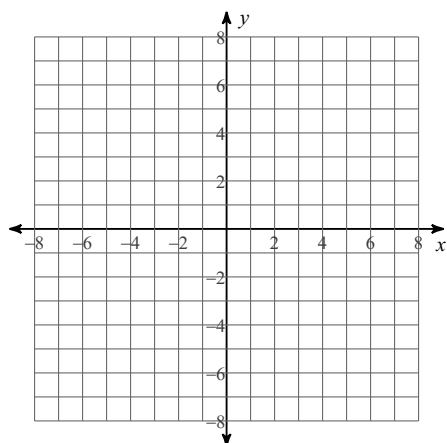
3) $y = \log_4 (x - 2) - 5$



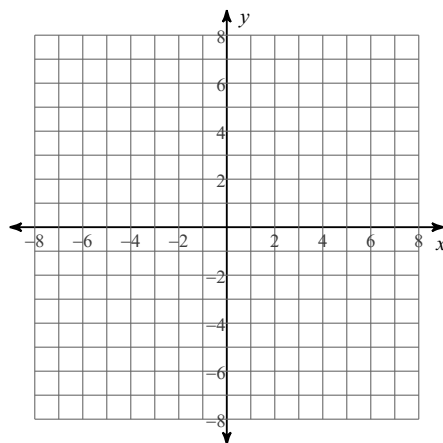
4) $y = \log_5 (x + 2) - 2$



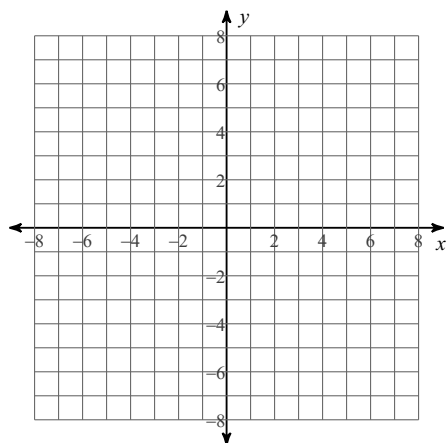
5) $y = \log_3 (x + 1) - 5$



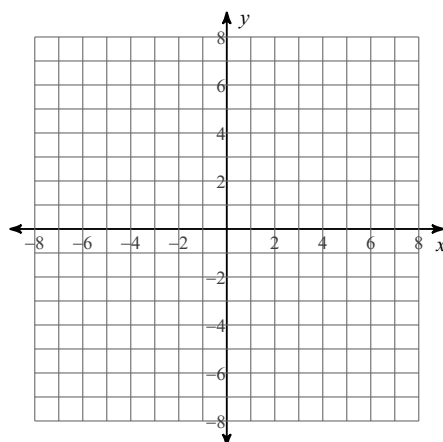
6) $y = \ln (x + 3) - 2$



7) $y = \log_{\frac{1}{3}} (x - 1) - 3$

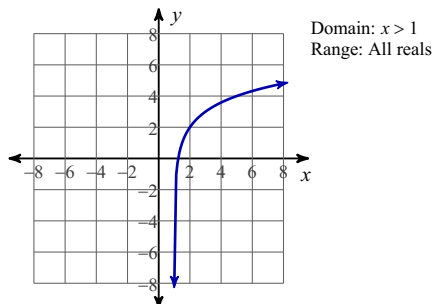


8) $y = \log_4 (x + 2) - 1$

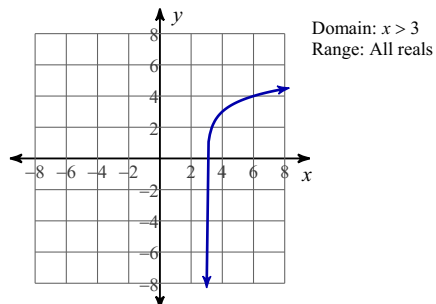


Answers to 5.10 Graphing Logarithms

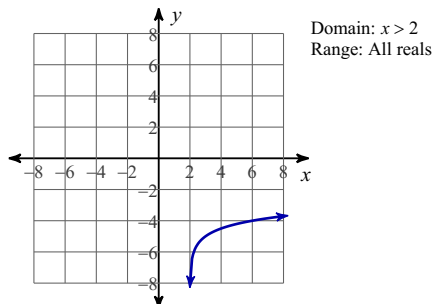
1)



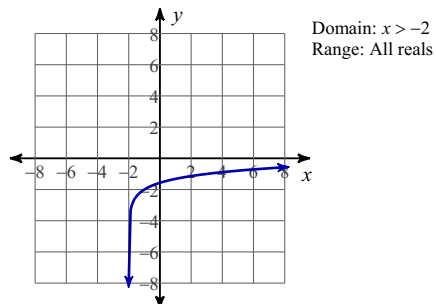
2)



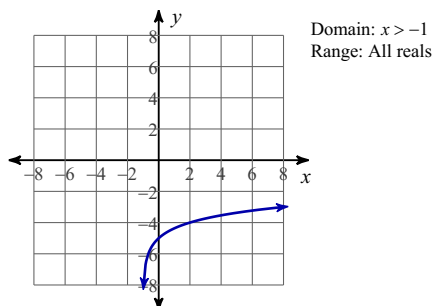
3)



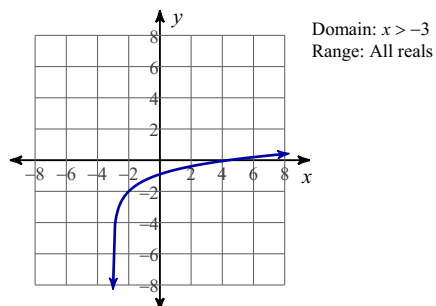
4)



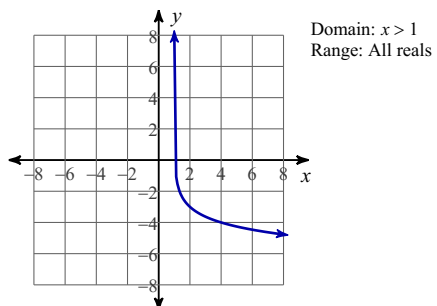
5)



6)



7)



8)

