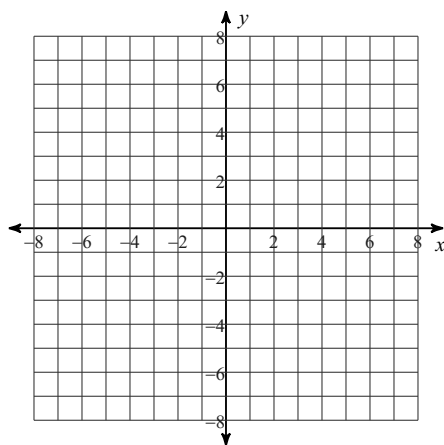


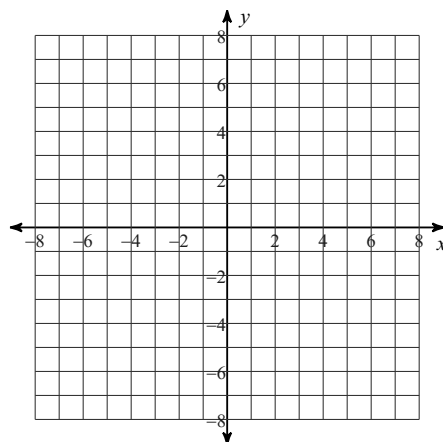
## 7.3 B

Identify the asymptote, domain and range of each. Then sketch the graph using the parent function and transformations..

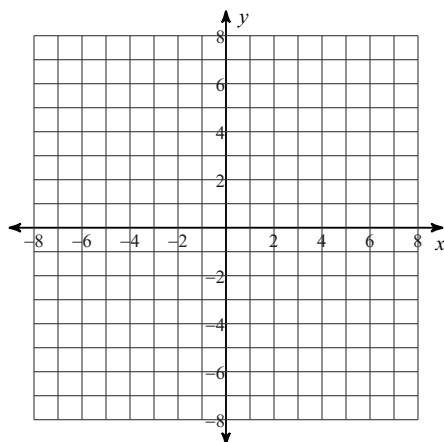
1)  $y = \log_{\frac{1}{2}}(x - 1) + 4$



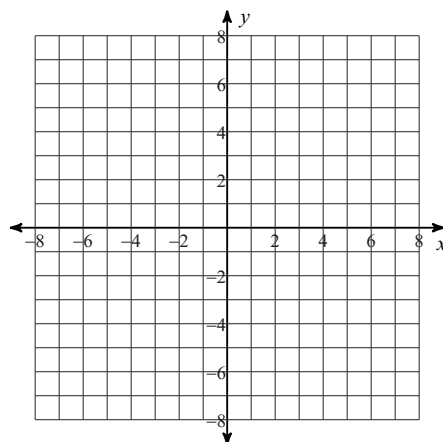
2)  $y = \log_6(x - 1) + 5$



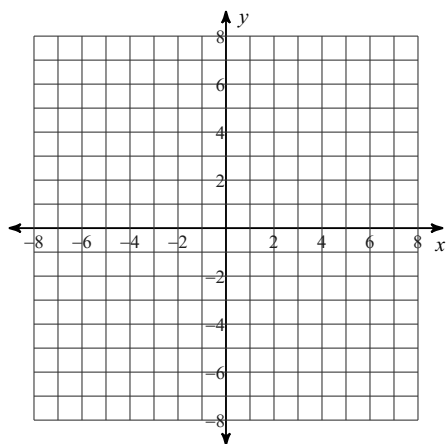
3)  $y = \log_2(x + 3) - 2$



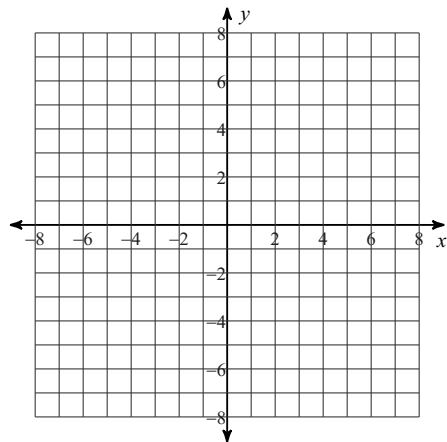
4)  $y = \log_5(x + 1) - 4$



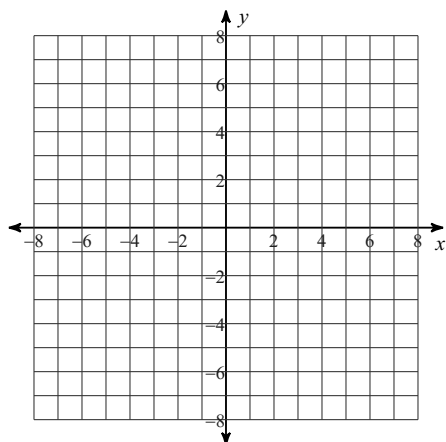
5)  $y = \log_6 (x - 1) - 5$



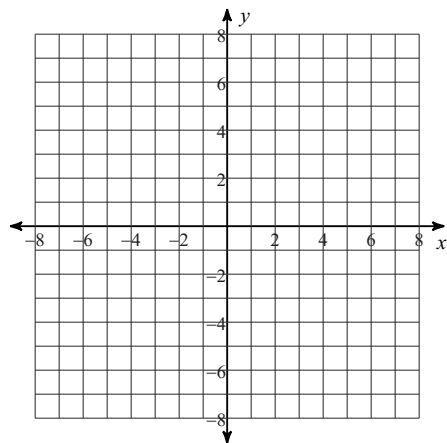
6)  $y = \log_{\frac{1}{3}} (x - 1) - 4$



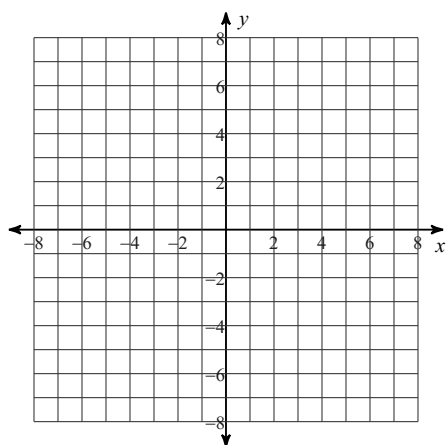
7)  $y = \log (x + 4) + 5$



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



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



10)  $y = \log_5 (x - 1) + 5$

