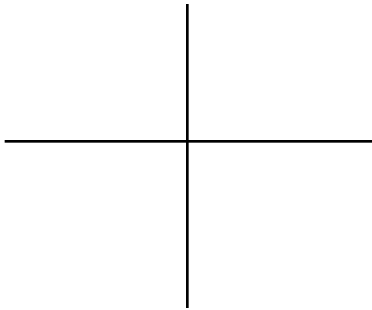
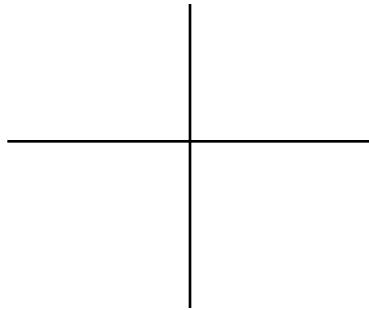


Graph each function. Show the intercept, asymptote and graph.

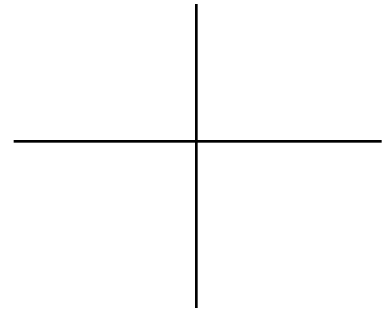
1) $y = \log_2 x$



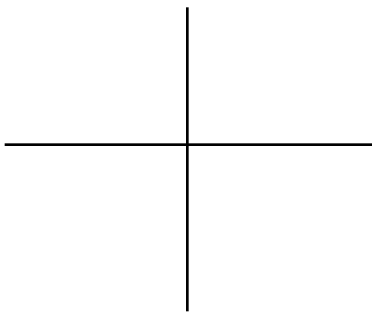
2) $y = \log_3 x$



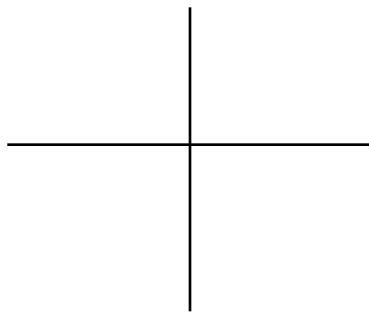
3) $y = \log_3(x + 1)$



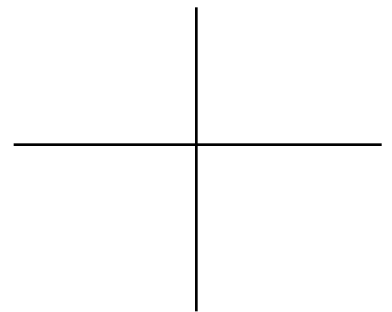
4) $y = \log_3(x - 1)$



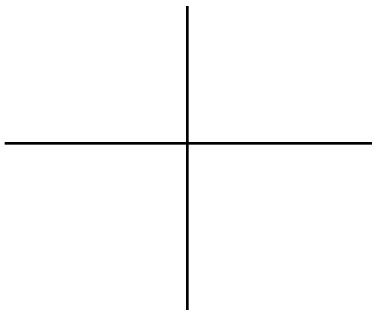
5) $y = \log_3(x + 2)$



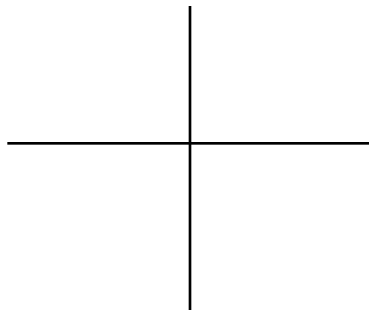
6) $y = -\log_2 x$



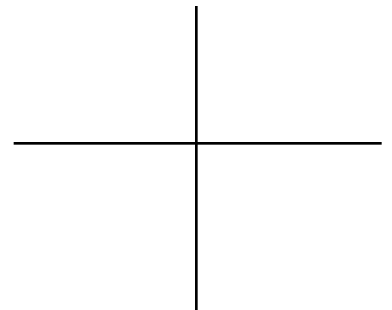
7) $y = \log_4(-x)$



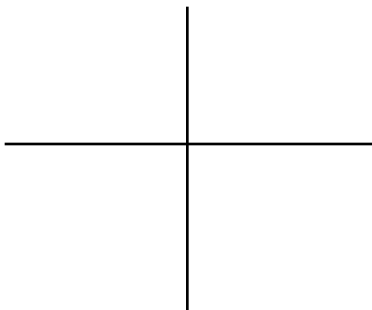
8) $y = \ln x$



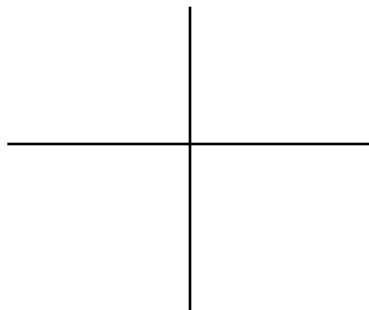
9) $y = \log(x + 3)$



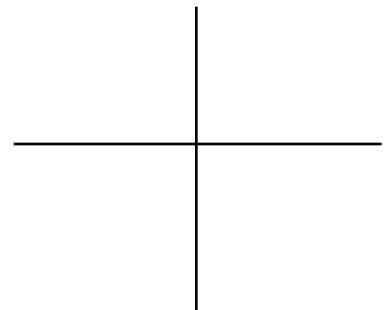
10) $y = \log_2(x - 1)$



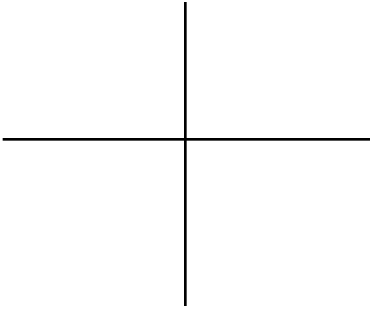
11) $y = \log_3 x - 1$



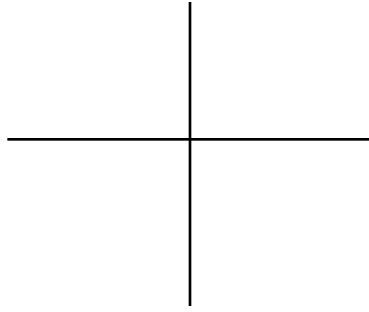
12) $y = \log_3 x + 2$



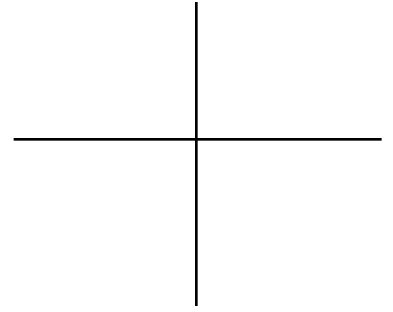
13) $y = \log_{1/2} x$



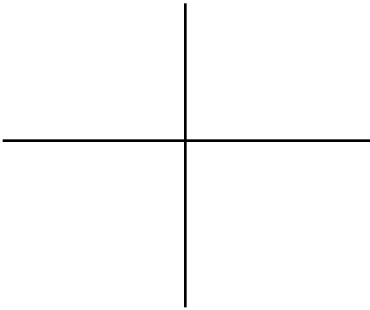
14) $y = \log_{1/3} x$



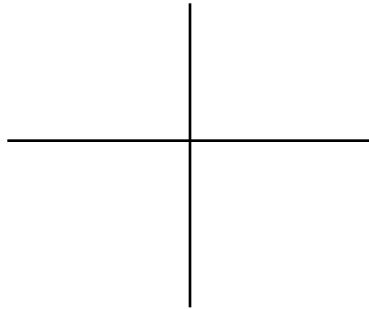
15) $y = \log_{1/3}(x - 2)$



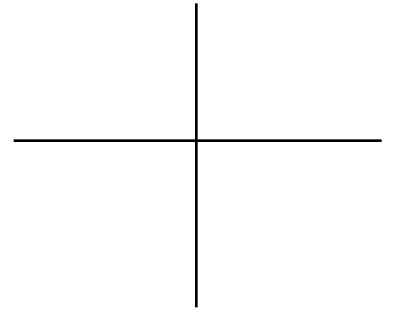
16) $y = \log_{1/3}(x + 1)$



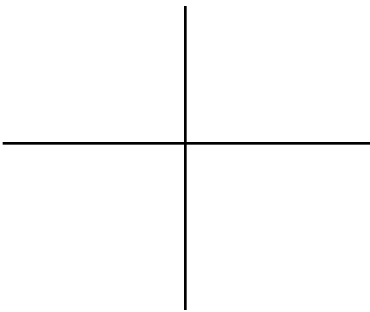
17) $y = \log_{1/2}(x - 3)$



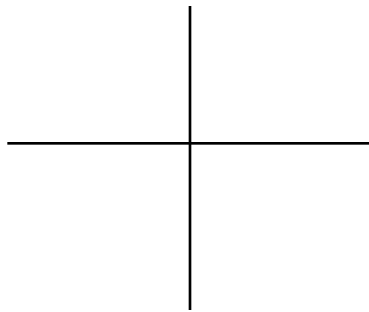
18) $y = -\log_{1/3} x$



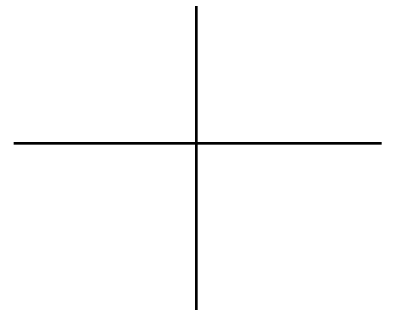
19) $y = \log_{1/3}(x - 1)$



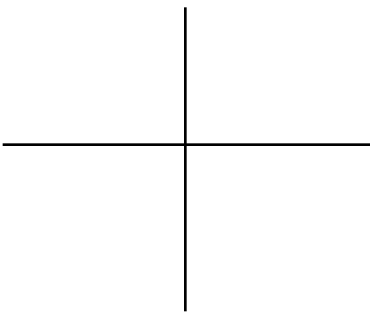
20) $y = \log_{1/3}(-x)$



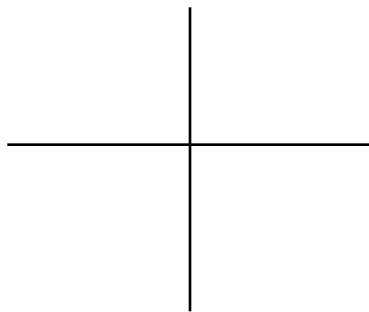
21) $y = \log_{1/3}(x - 2)$



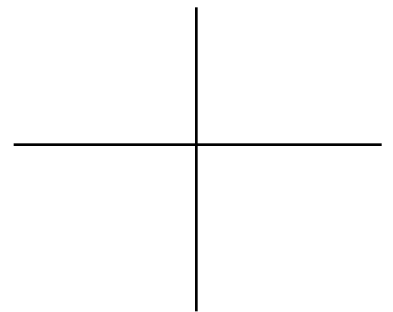
22) $y = -\log_{1/2}(-x)$



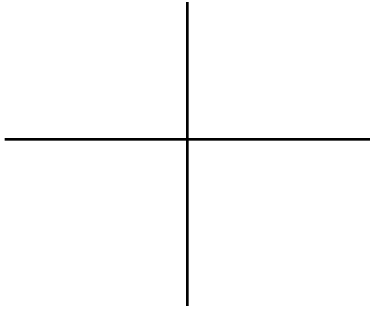
23) $y = \log_{1/4} x - 1$



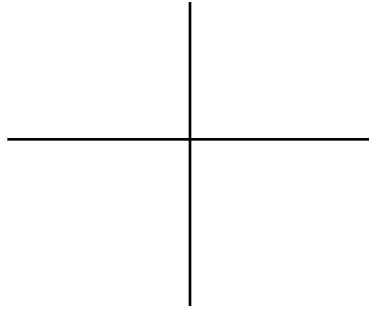
24) $y = \log_{1/2} x + 2$



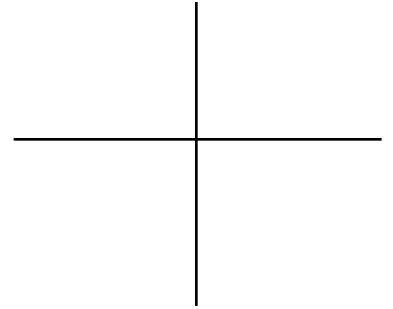
25) $y = -\log_{1/2}(x)$



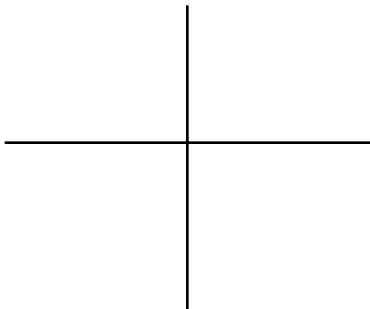
26) $y = \log_2(x - 3)$



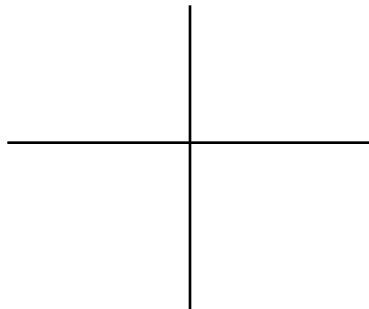
27) $y = -\log_{1/2}(-x)$



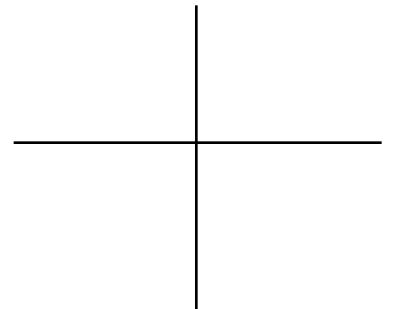
28) $y = \log_2(x + 4)$



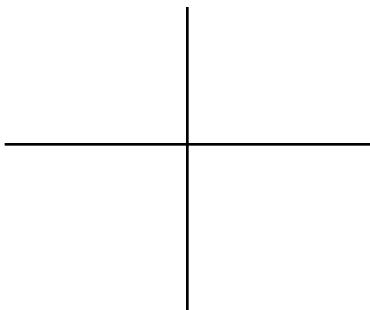
29) $y = \log_{1/2}(x - 3)$



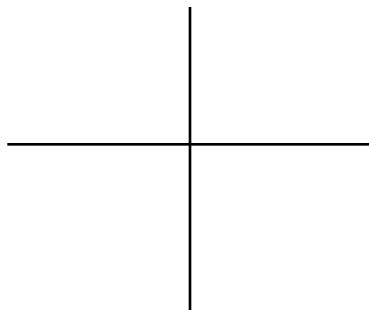
30) $y = \log_{1/2}(x + 1)$



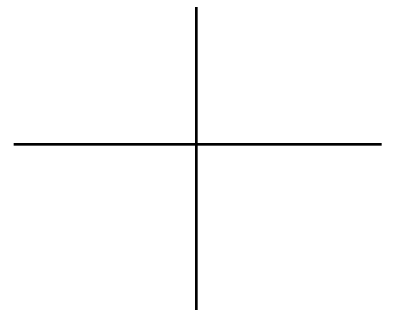
31) $y = -\log_2(-x)$



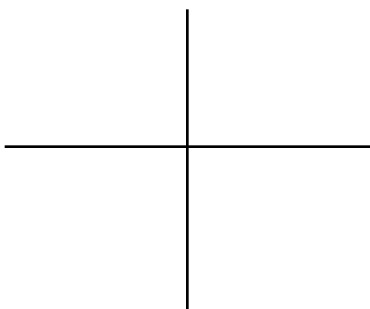
32) $y = \log_4(x - 2)$



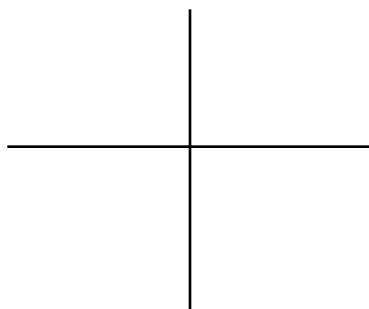
33) $y = -\log_2 x$



34) $y = \log_2 x - 2$



35) $y = \log_2 x + 3$



36) $y = \log_{1/3} x + 1$

