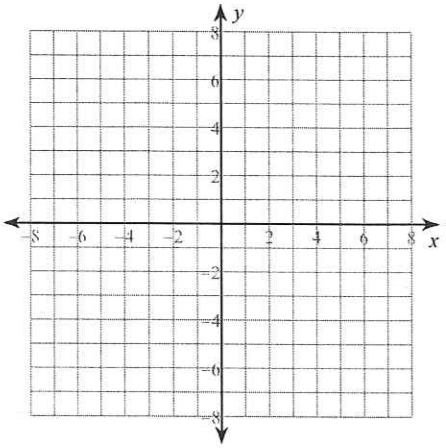
Algebra 2 with Support

Name_____

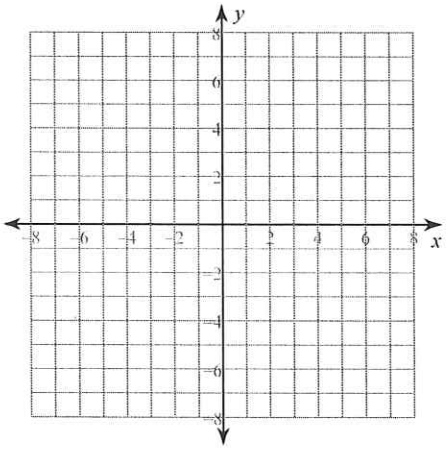
Graphing Log Transformations

Sketch the graph of each function.

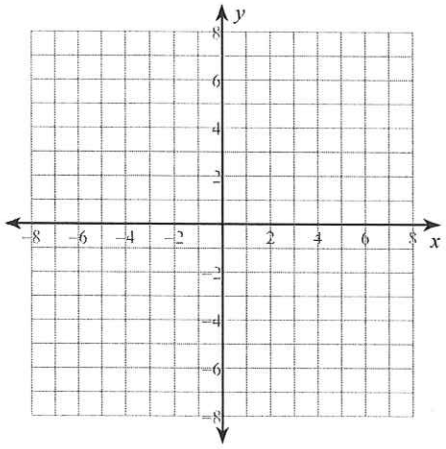
1) $y = \log_3 (x - 1)$



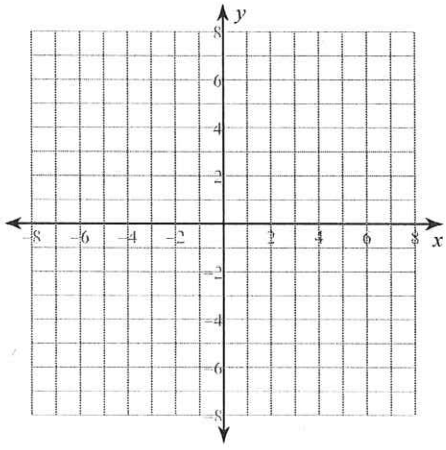
2) $y = \log_4 (x + 1)$



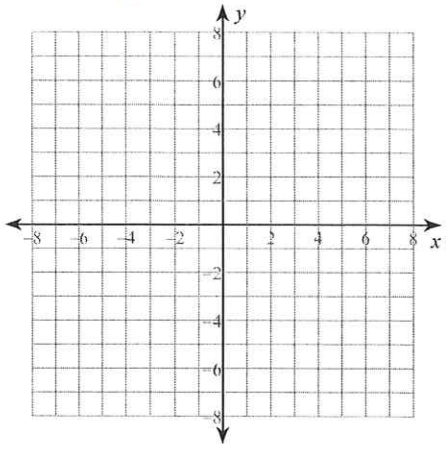
3) $y = \log_6 (x) + 5$



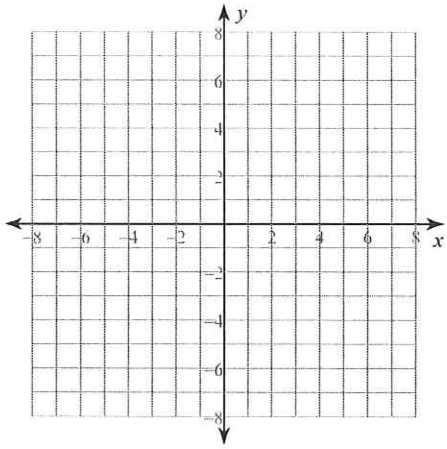
4) $y = \log_3 (x) - 1$



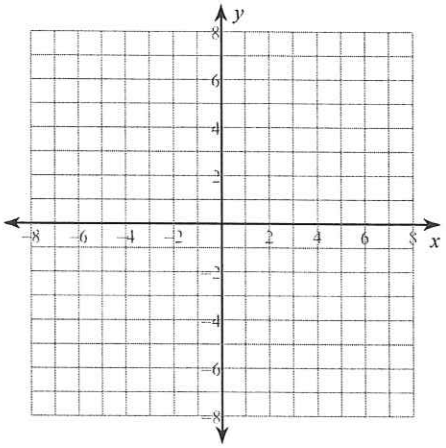
5) $y = \log_4 (x + 3) - 2$



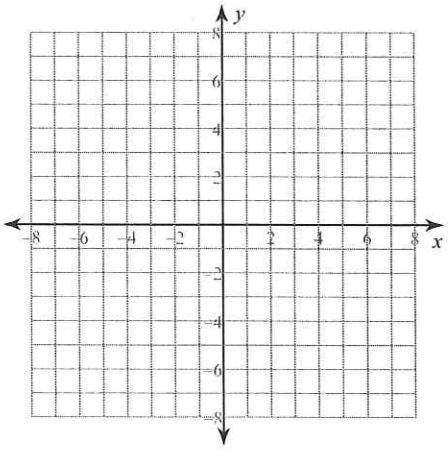
6) $y = \log_6 (x - 1) - 4$



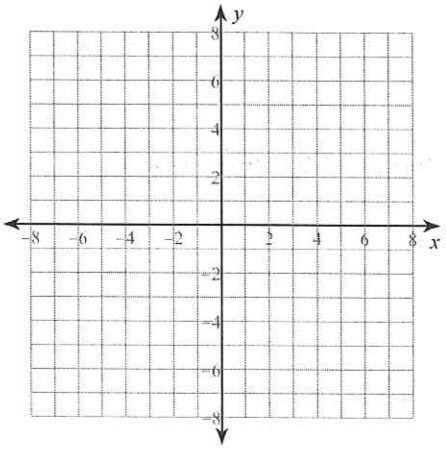
7) $y =$ 2 $\log_5 x$



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



9) $y = 2 \log_5 (x-1) + 3$



10) $y = -3 \log_4 (x+3) - 1$