Precalculus

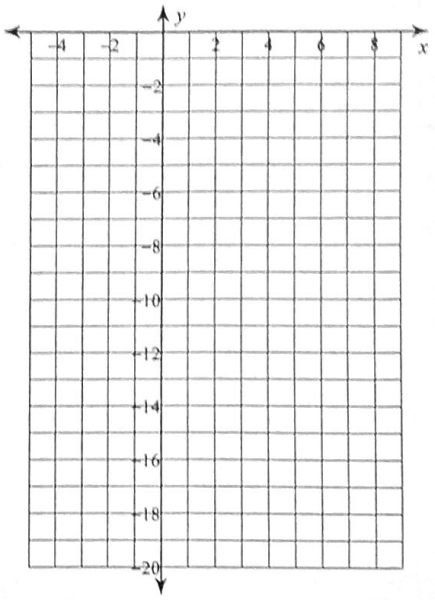
Name_____

Graphing Exponentials & Logs

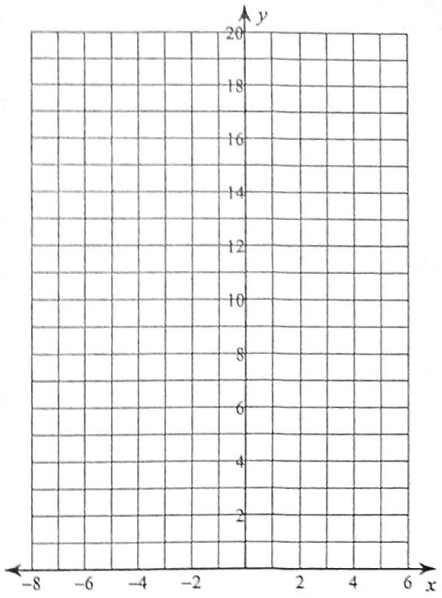
Date_____

Sketch the graph of each function.

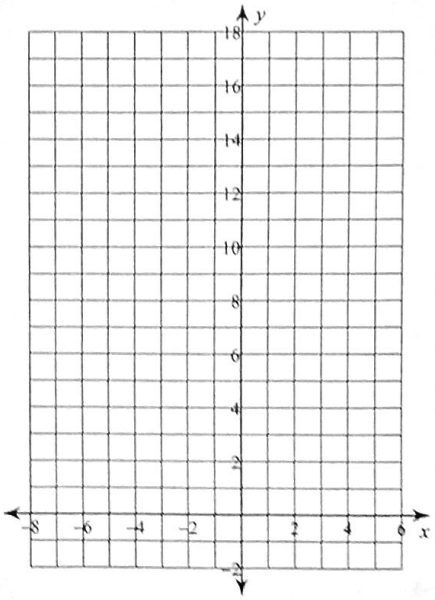
1) $y = -4 \cdot \left(\frac{1}{2}\right)^{x-2} - 1$



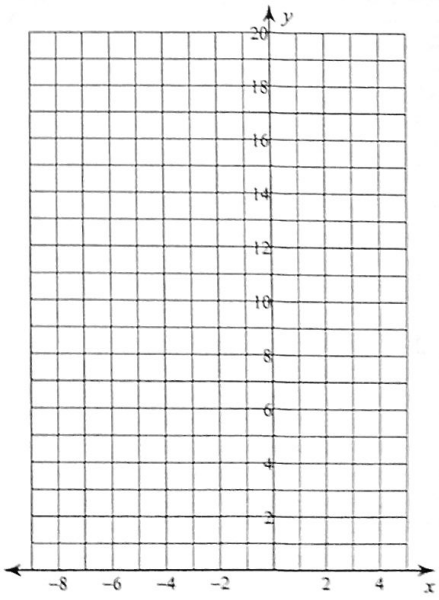
2) $y = 2 \cdot 3^{x+1} + 2$



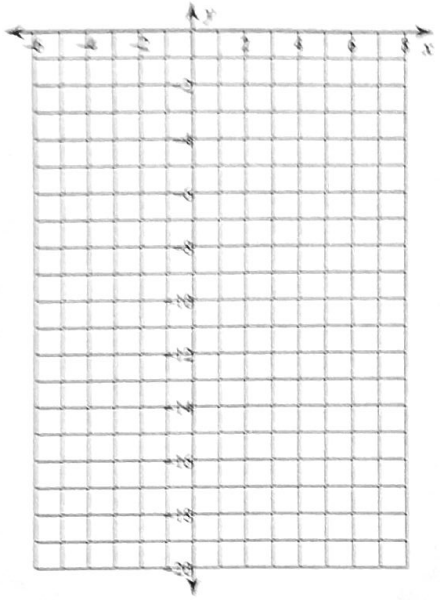
3) $y = \frac{1}{4} \cdot 2^{x+1} - 2$



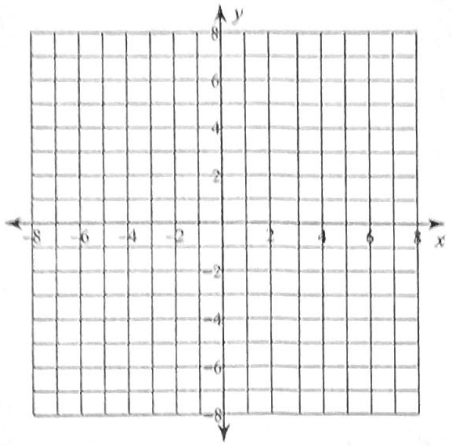
4) $y = \frac{1}{2} \cdot 6^{x+2} + 2$



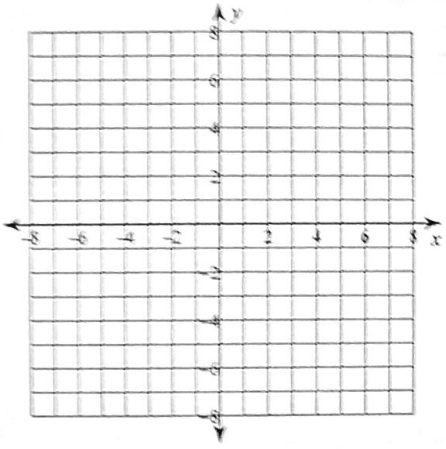
5) $y = -5 \cdot 2^{x-1} - 2$



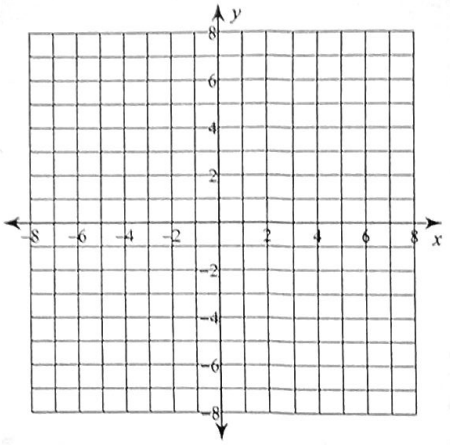
6) $y = \log_6 (x+1) + 1$



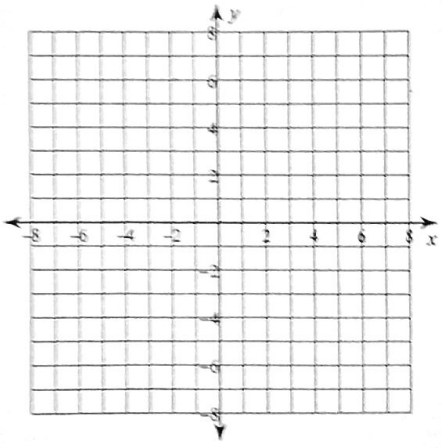
7) $y = \log_3 (x-1) - 3$



8) $y = \log_{\frac{1}{3}} (x-1) - 2$



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



10) $y = \log_3 (x+6) + 3$