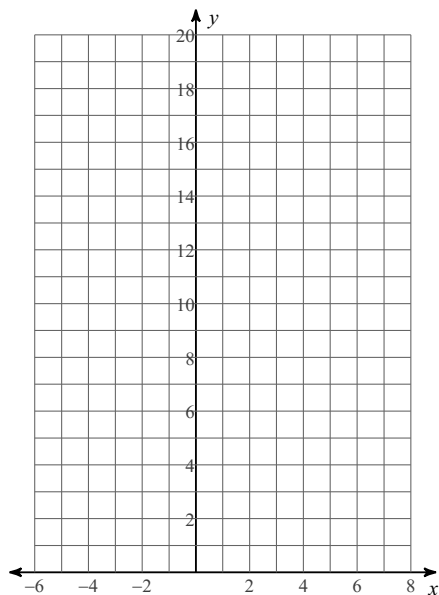


Day 4b Homework

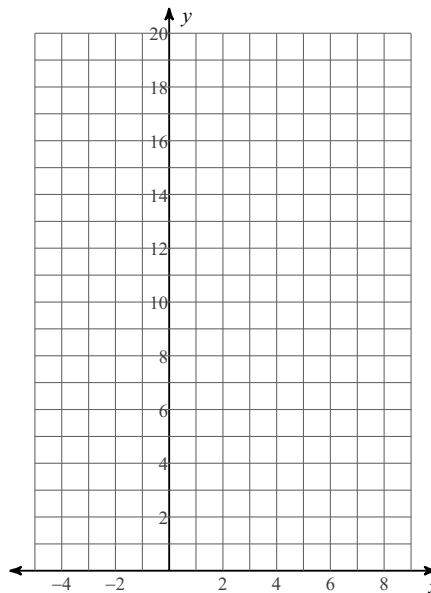
Date _____ Period _____

For each problem:**A. Identify the parent equation****B. Sketch the parent graph AND its transformation****C. Describe the transformation**

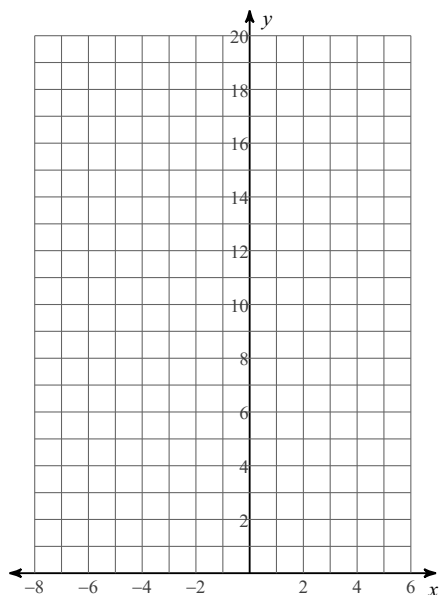
1) $y = \left(\frac{1}{2}\right)^{x-1} + 2$



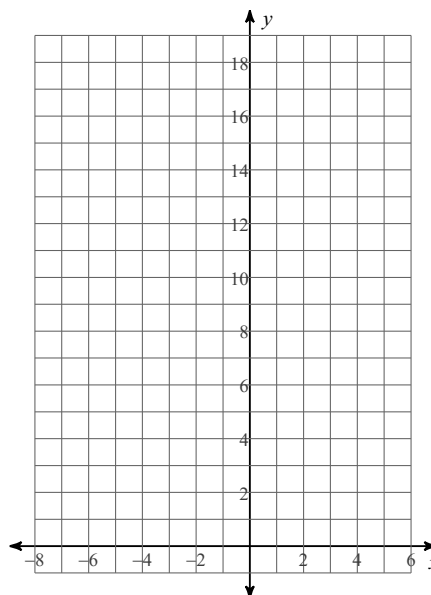
2) $y = 2^{x-2} + 1$



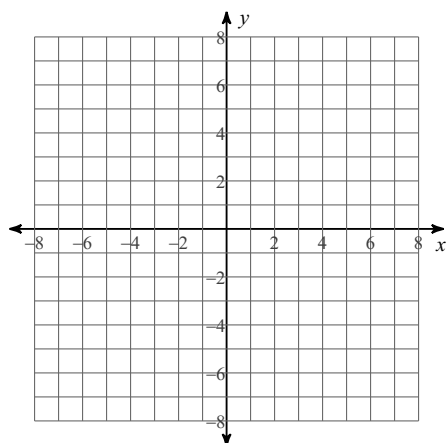
3) $y = 3^{x+1} + 1$



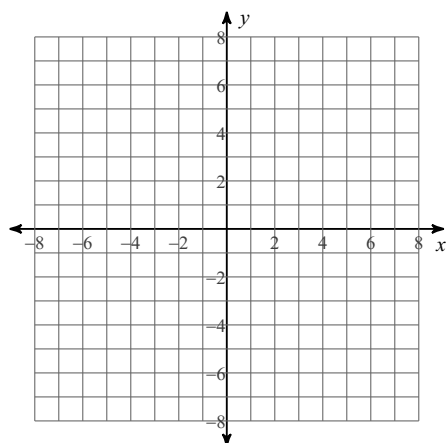
4) $y = 4^{x+1} - 1$



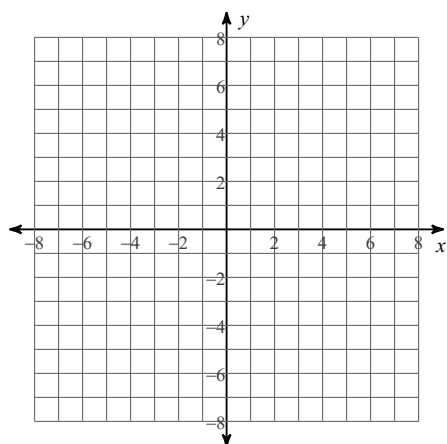
$$5) y = \log_3 (x - 1) - 3$$



$$6) y = \log_5 (x - 1) - 1$$



$$7) y = \log_5 (x - 1) + 5$$



$$8) y = \log (x + 4) + 5$$

