

Unit 4 Day 1 HW

2. Write the following in logarithm form:

(a) $y = 3^4$

(b) $27 = 3^x$

(c) $m = 4^2$

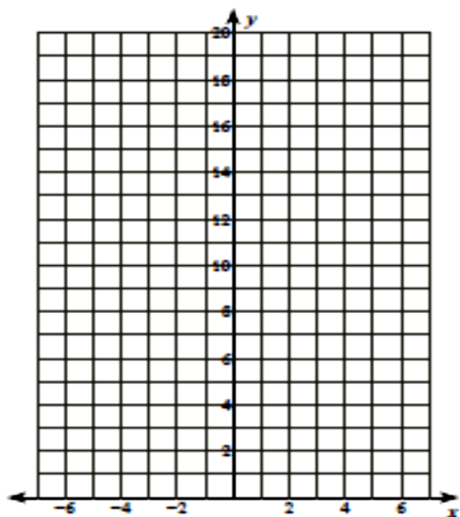
(d) $y = 3^5$

(e) $32 = x^5$

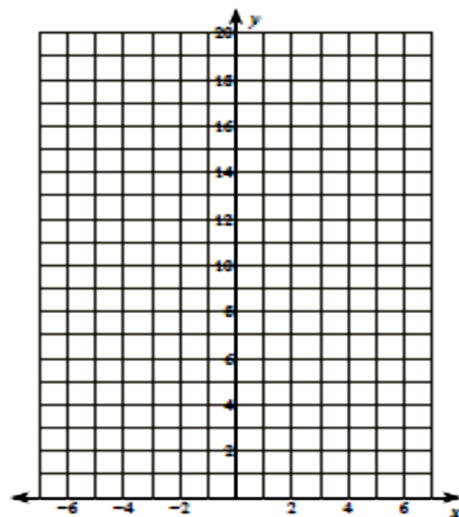
(f) $64 = 4^x$

Sketch the graph of each function.

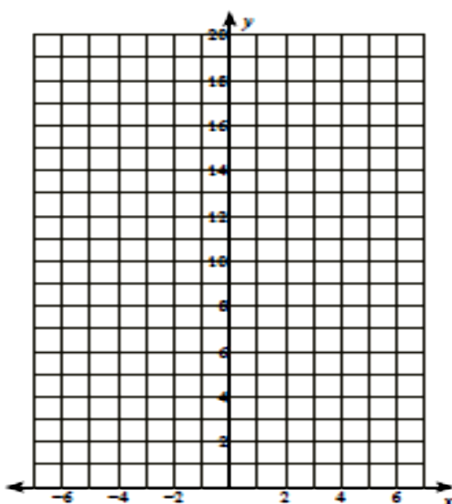
1) $y = 4 \cdot 2^x$



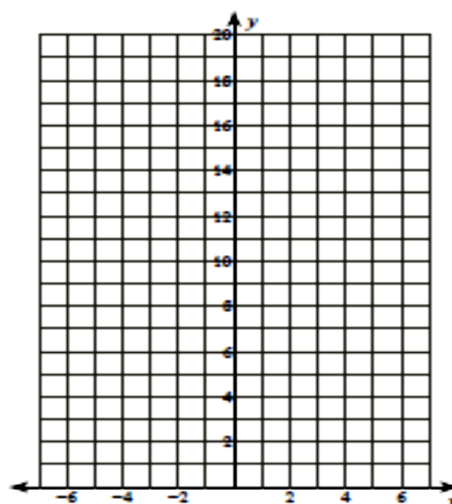
2) $y = 5 \cdot 2^x$



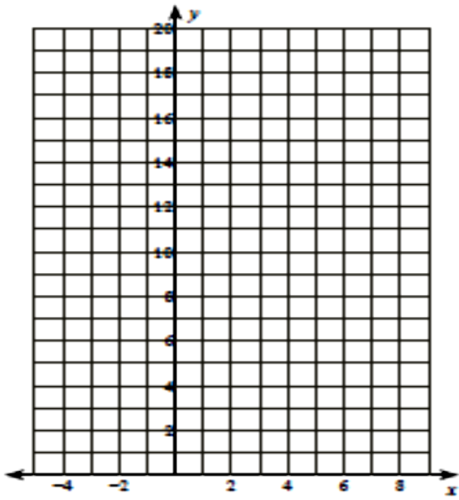
3) $y = 4 \cdot \left(\frac{1}{2}\right)^x$



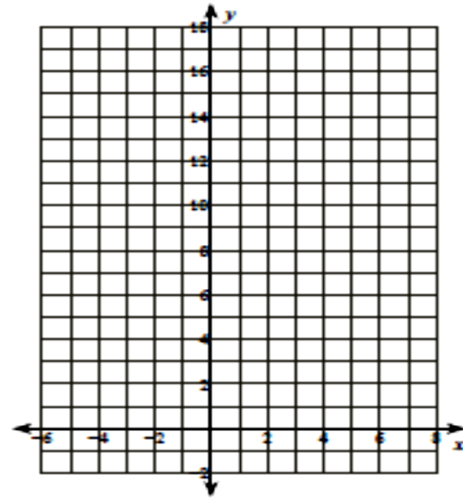
4) $y = 2 \cdot \left(\frac{1}{2}\right)^x$



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



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



Textbook Pg. 384-385: #2-5, #21-29 odd
Pg. 405: #7-9