

Graphing Exponential Functions

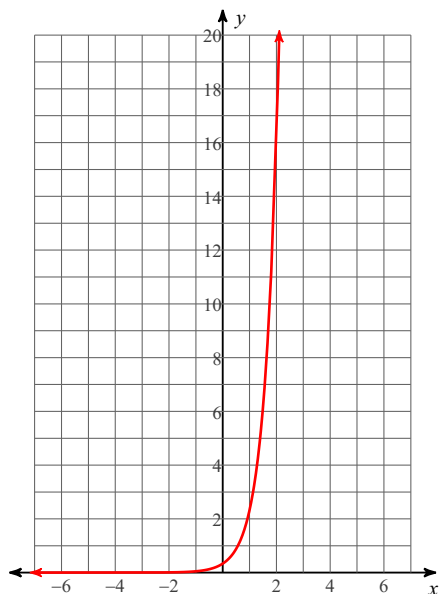
Name _____

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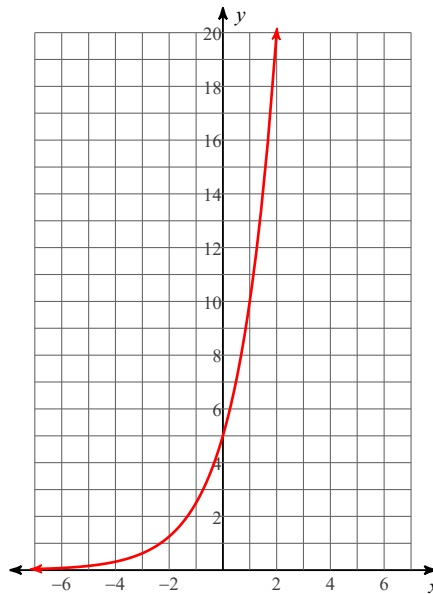
Date _____ Period _____

Sketch the graph of each function.

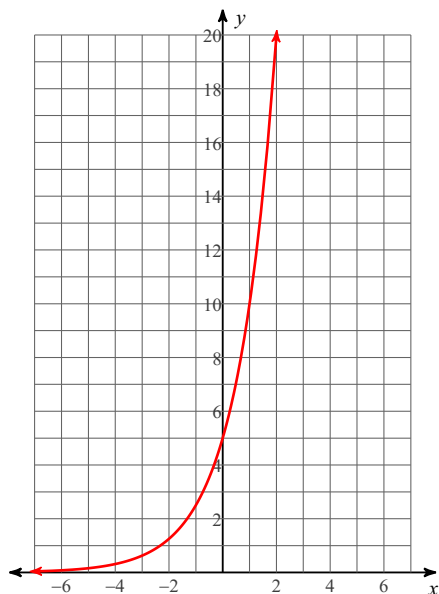
1) $f(x) = \frac{1}{3} \cdot 7^x$



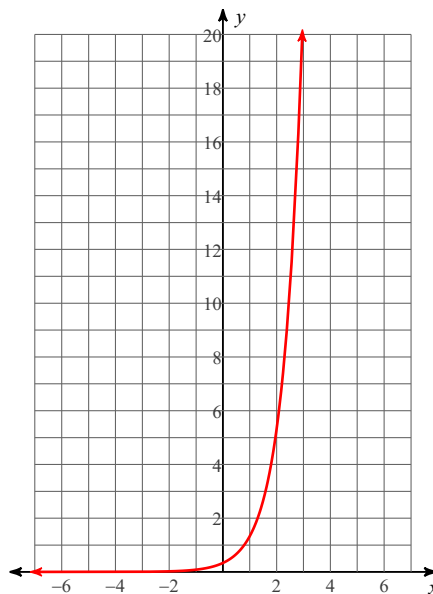
2) $f(x) = 5 \cdot 2^x$



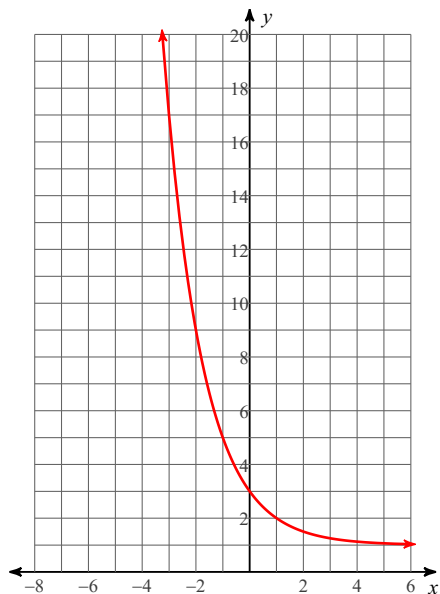
3) $f(x) = 5 \cdot 2^x$



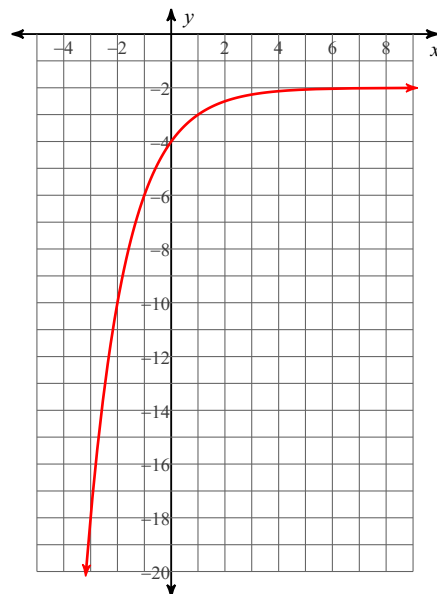
4) $f(x) = \frac{1}{3} \cdot 4^x$



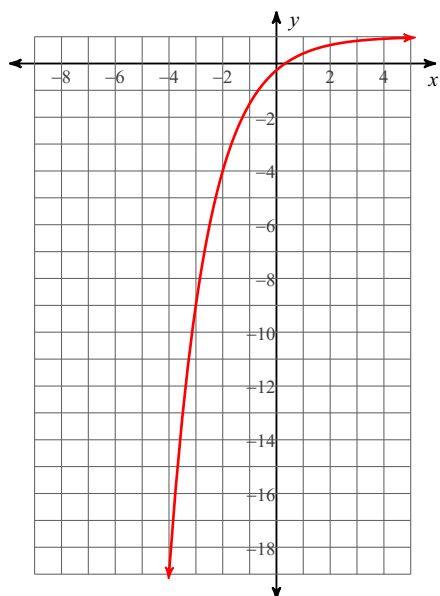
$$5) f(x) = 4 \cdot \left(\frac{1}{2}\right)^{x+1} + 1$$



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



$$7) f(x) = -5 \cdot \left(\frac{1}{2}\right)^{x+2} + 1$$



$$8) f(x) = 4 \cdot \left(\frac{1}{2}\right)^{x+1} - 1$$

