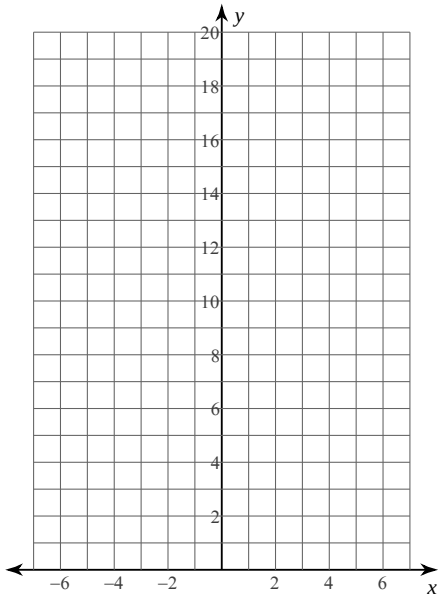
Name_____

Graphing Exponential Functions

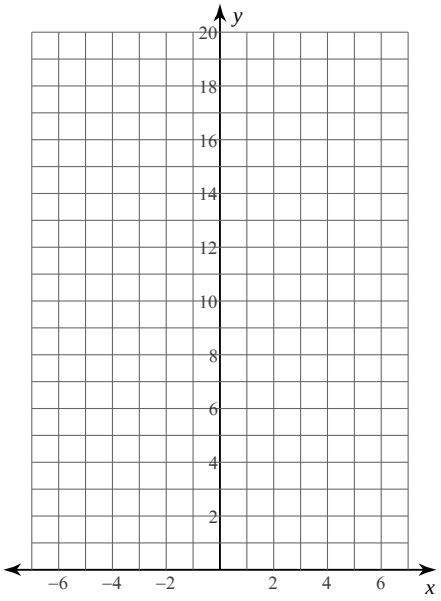
Date_____ Period____

Sketch the graph of each function.

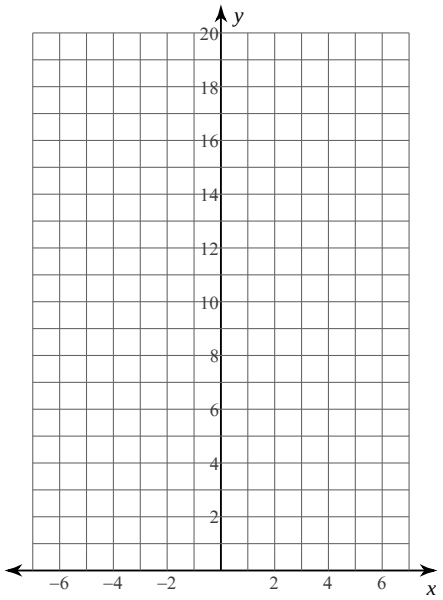
1) $y = 4 \cdot 2^x$



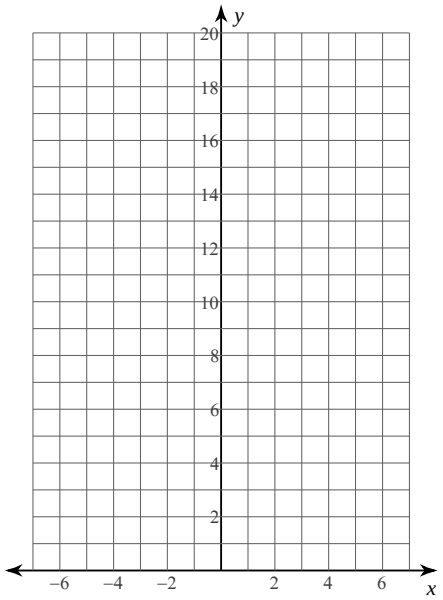
2) $y = 5 \cdot 2^x$



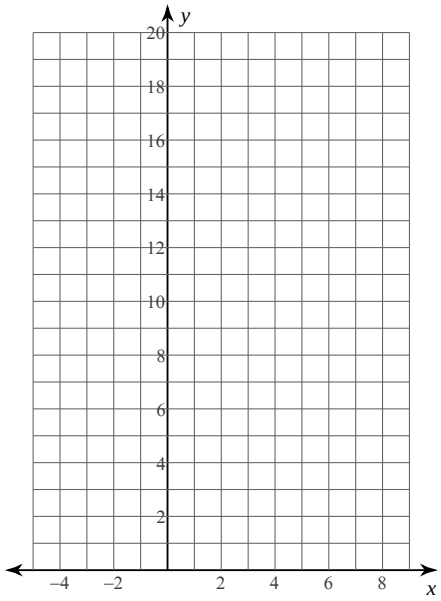
3) $y = 4 \cdot \left(\frac{1}{2}\right)^x$



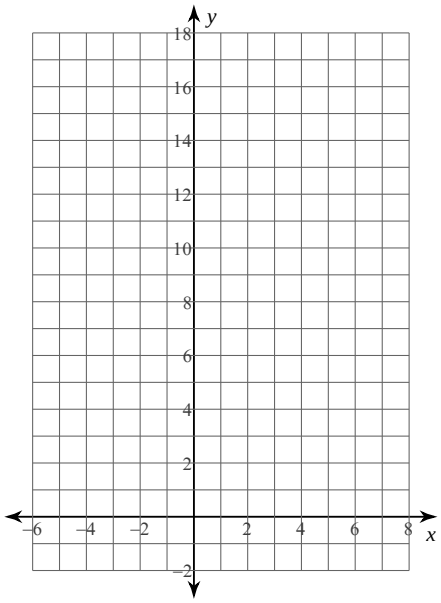
4) $y = 2 \cdot \left(\frac{1}{2}\right)^x$



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

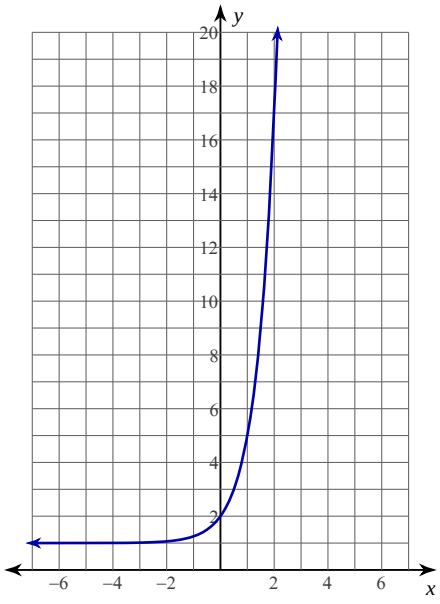


6) $y = 4 \cdot \left(\frac{1}{2}\right)^{x-1} - 2$

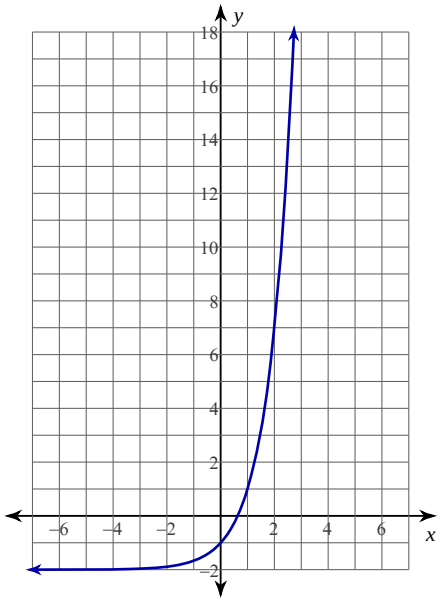


Write an equation for each graph.

7)



8)



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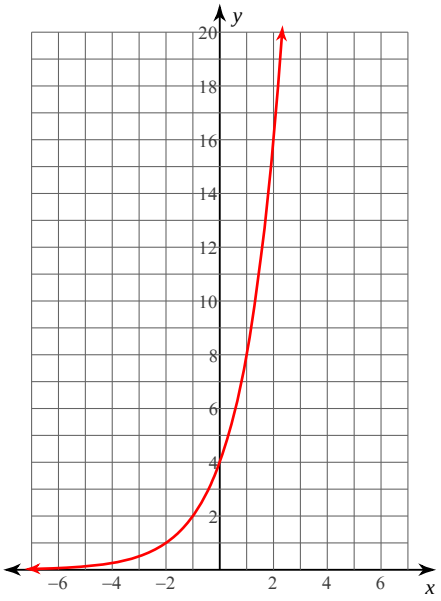

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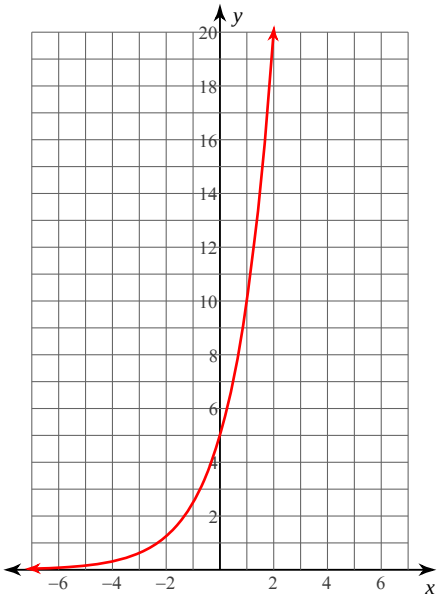
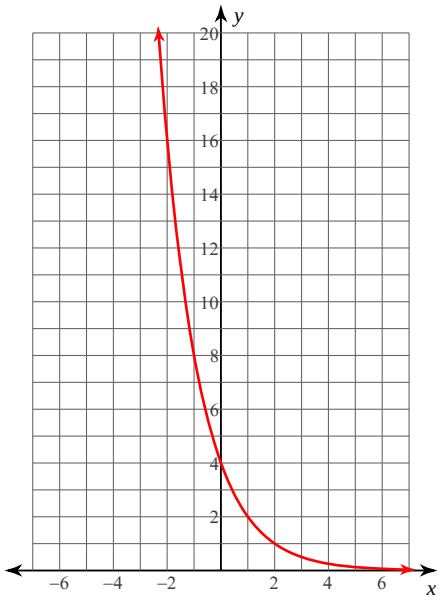


3) $y = 4 \cdot \left(\frac{1}{2}\right)^x$



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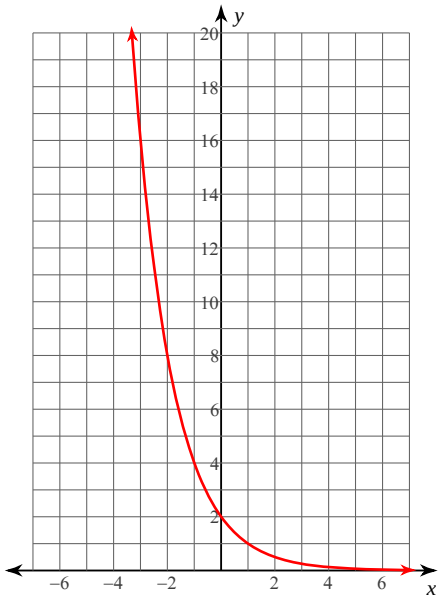
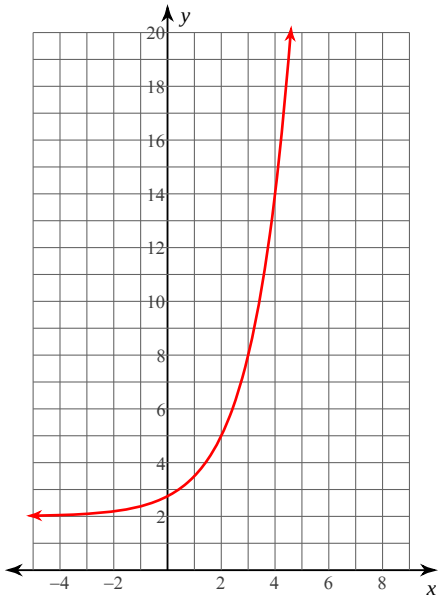


5) $y = 3 \cdot 2^{x-2} + 2$



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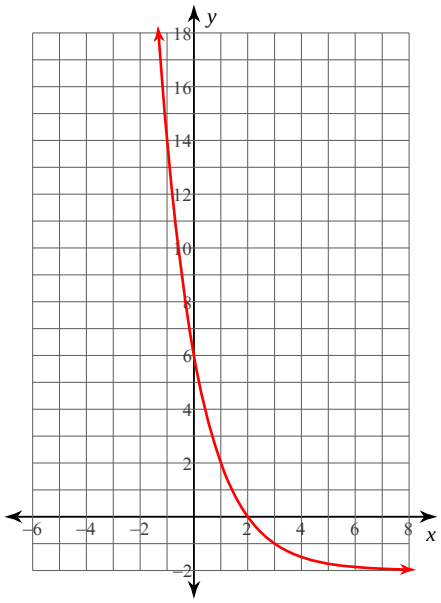
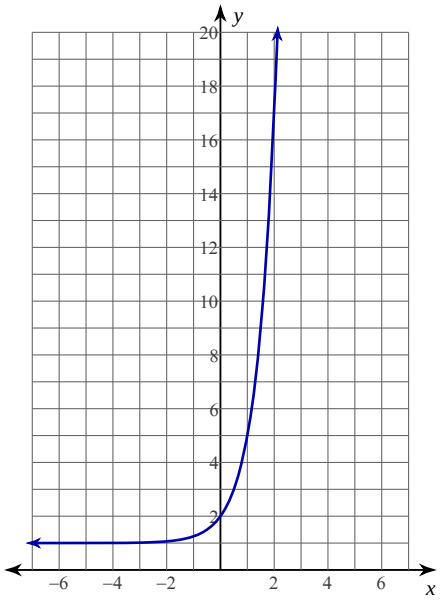


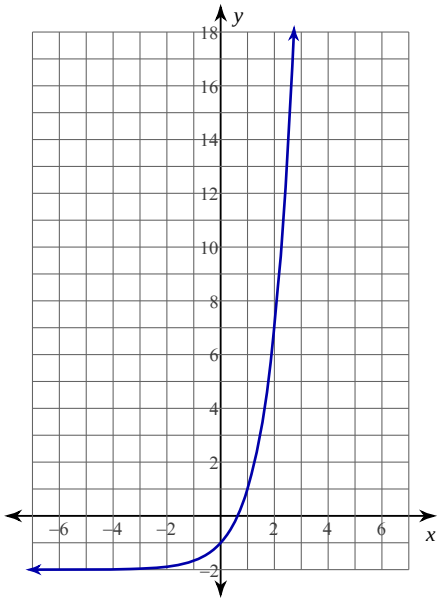
Write an equation for each graph.

7)



$y = 4^x + 1$

8)



$y = 3^x - 2$