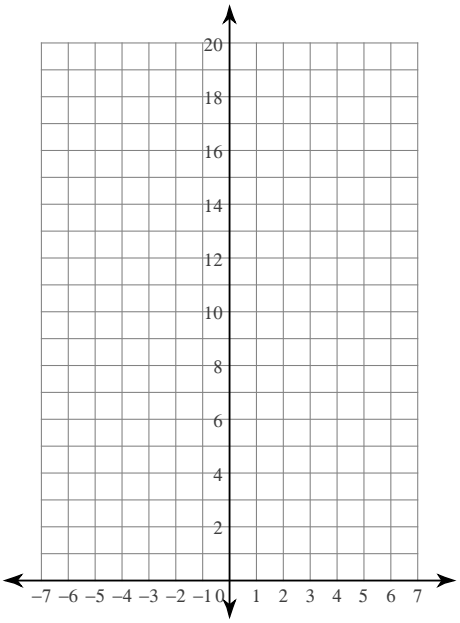
Algebra 2 Name_____

Graphing Exponential Functions

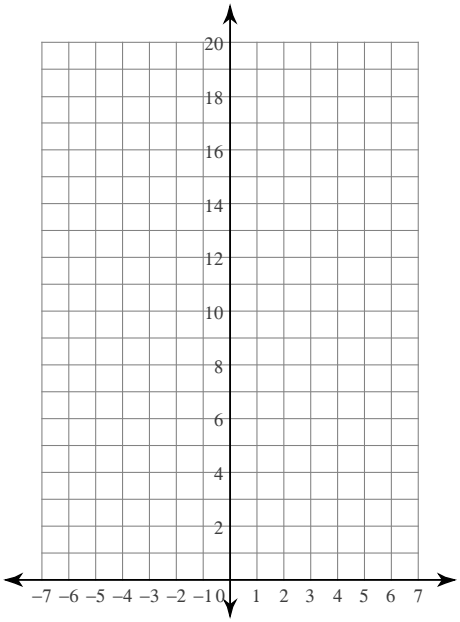
Date_____ Period____

Sketch the graph of each function.

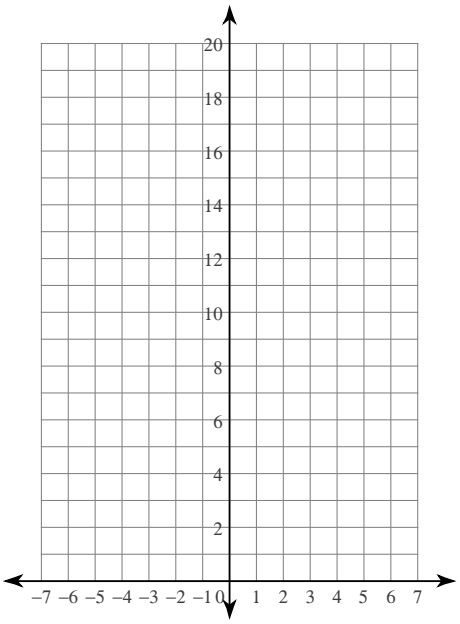
1) $y = 2 \cdot 3^x$



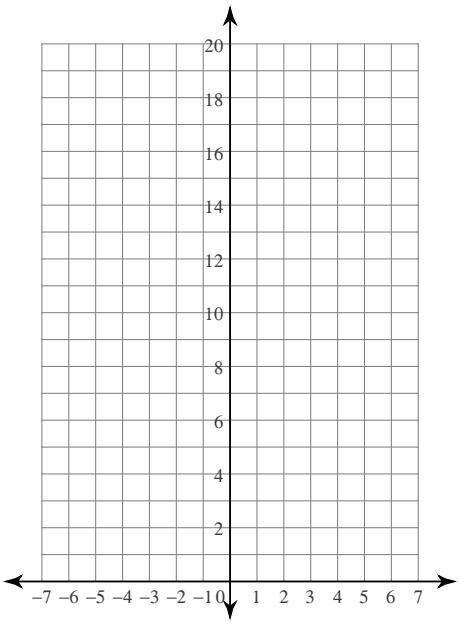
2) $y = 4 \cdot \left(\frac{1}{2}\right)^x$



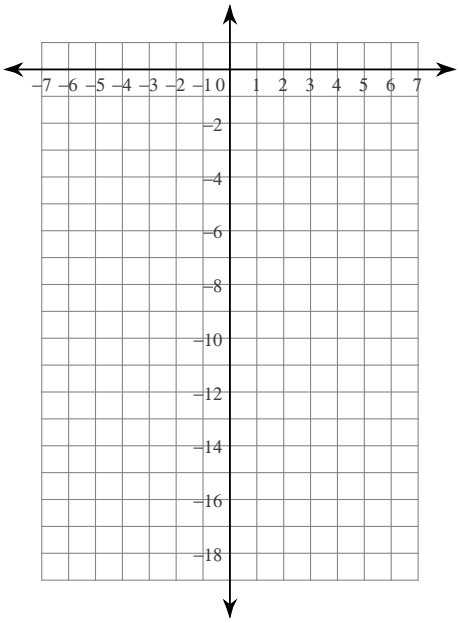
3) $y = 5 \cdot 2^x$



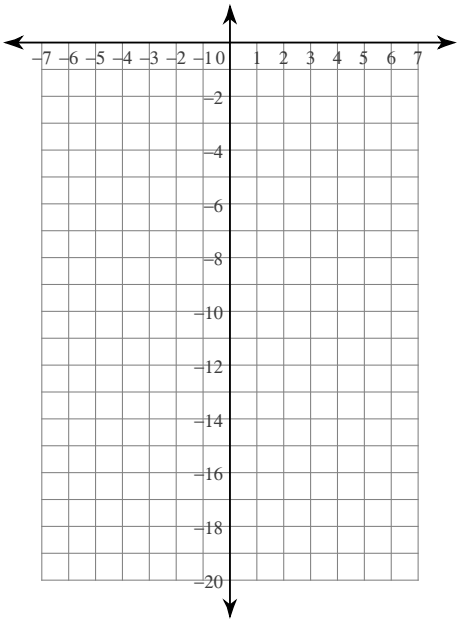
4) $y = \frac{1}{2} \cdot \left(\frac{1}{4}\right)^x$



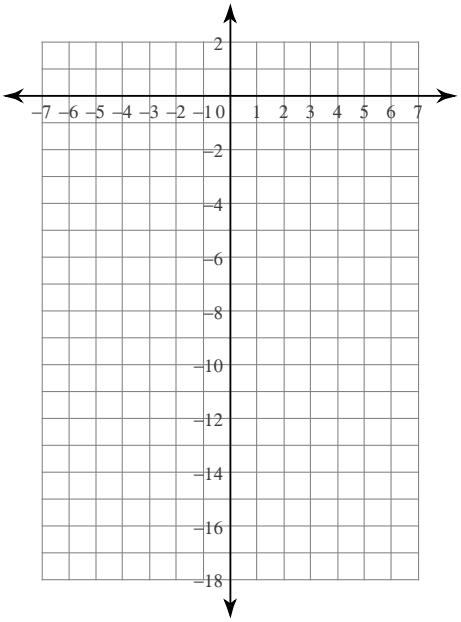
5) $y = -3 \cdot 2^x + 1$



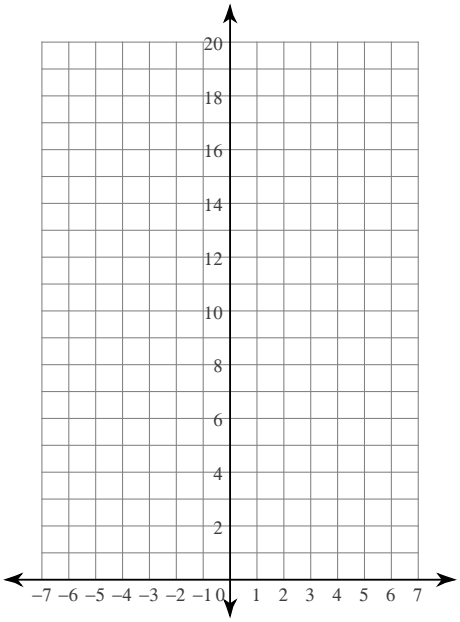
6) $y = -2 \cdot 2^x - 1$



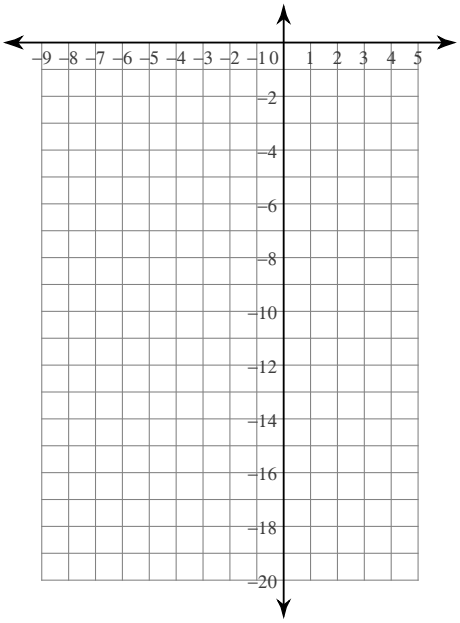
7) $y = -5 \cdot \left(\frac{1}{2}\right)^x + 2$



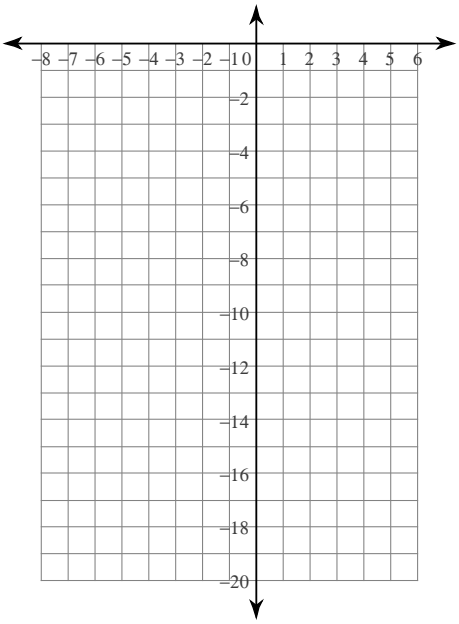
8) $y = 4 \cdot \left(\frac{1}{2}\right)^x + 2$



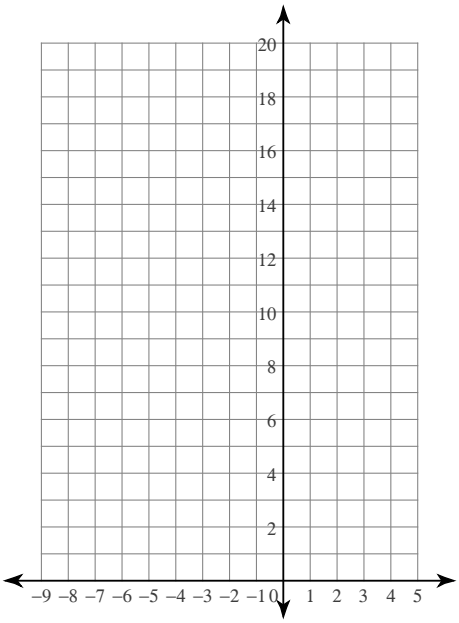
9) $y = -2 \cdot 2^{x+2}$



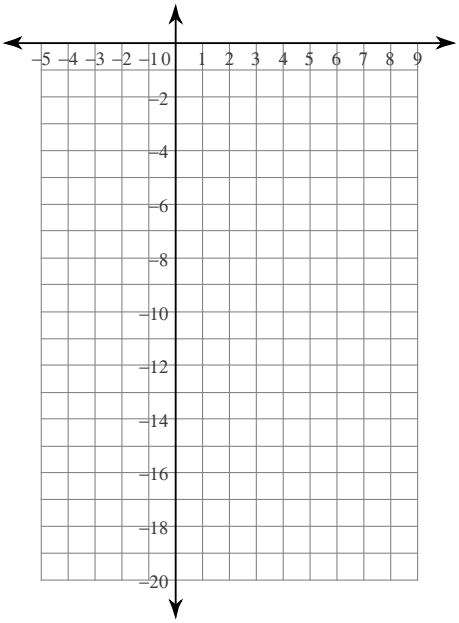
10) $y = -5 \cdot \left(\frac{1}{2}\right)^{x+1}$



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

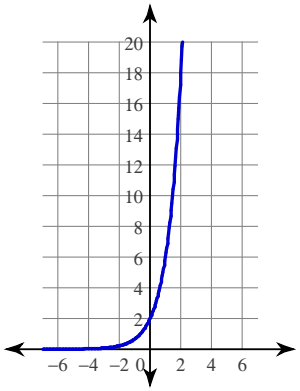


12) $y = -5 \cdot \left(\frac{1}{2}\right)^{x-2}$



Answers to Graphing Exponential Functions

1)



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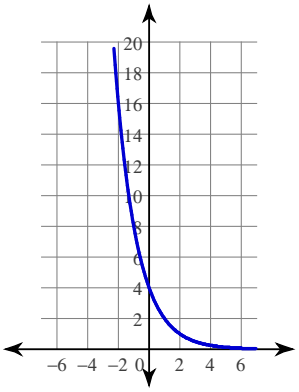

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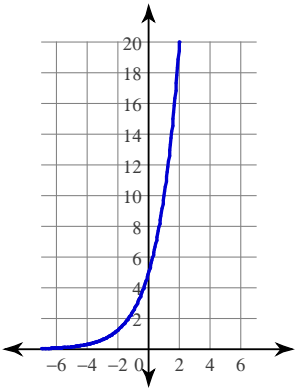
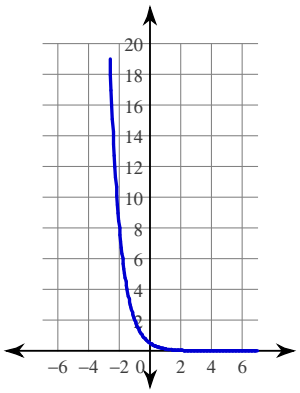


4)



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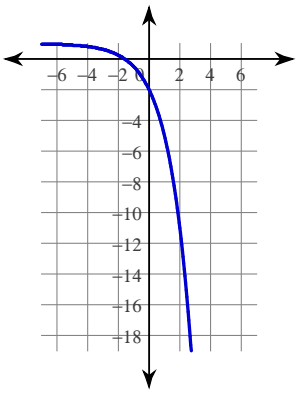
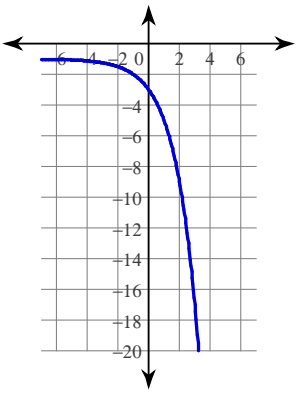
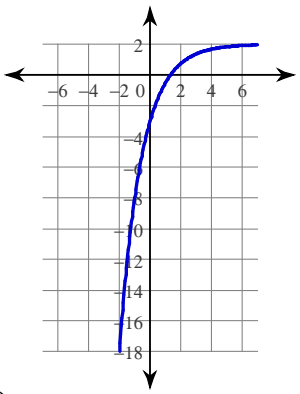


6)



7)



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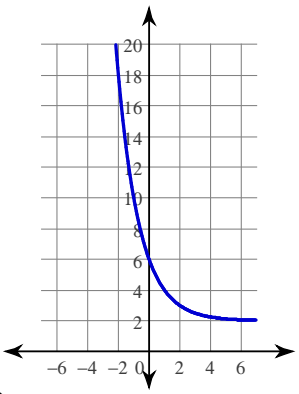

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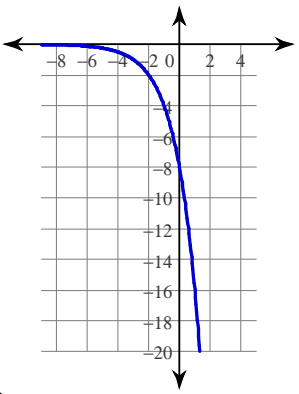
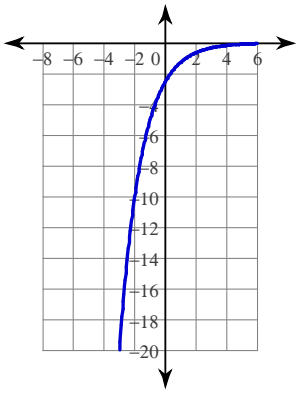
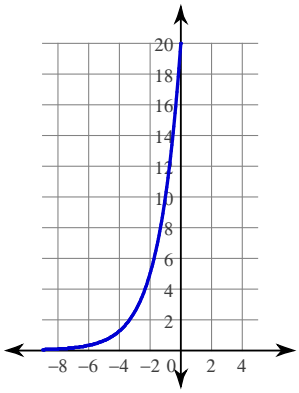


10)



11)



12)