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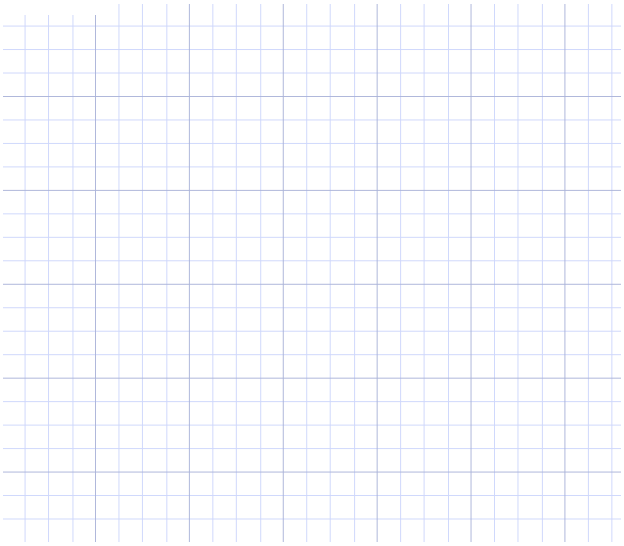
Name:_____ Period:_____Date:_____

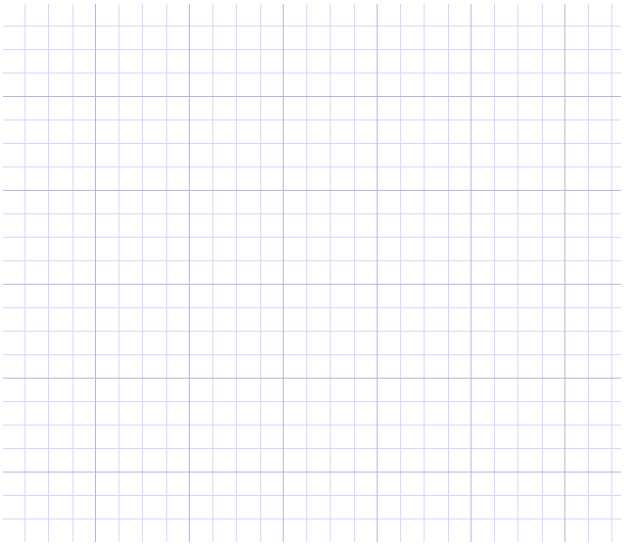
Graphing Exponential Decay

Section I. Graphing

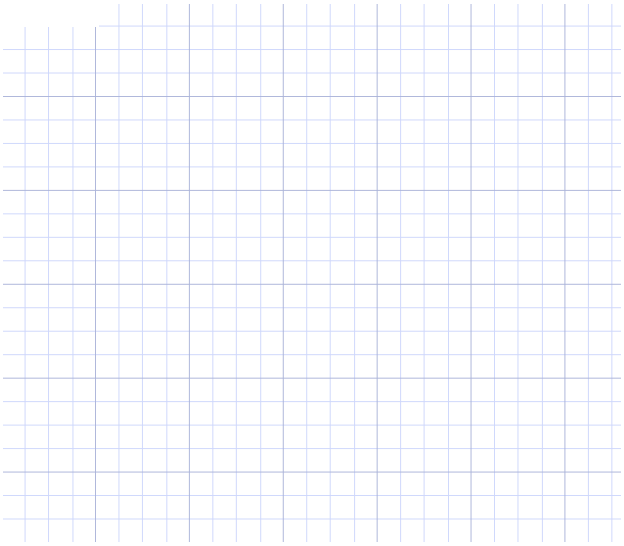
1. Graph: $f(x) = \left(\frac{1}{3}\right)^x$



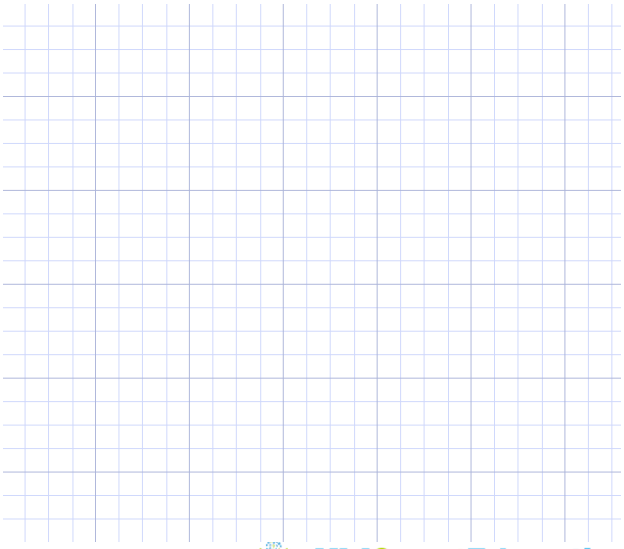
2. $f(x) = \left(\frac{1}{2}\right)^x$



3. Graph: $f(x) = \left(\frac{1}{3}\right)^x + 4$



4. $f(x) = \left(\frac{1}{4}\right)^x - 3$



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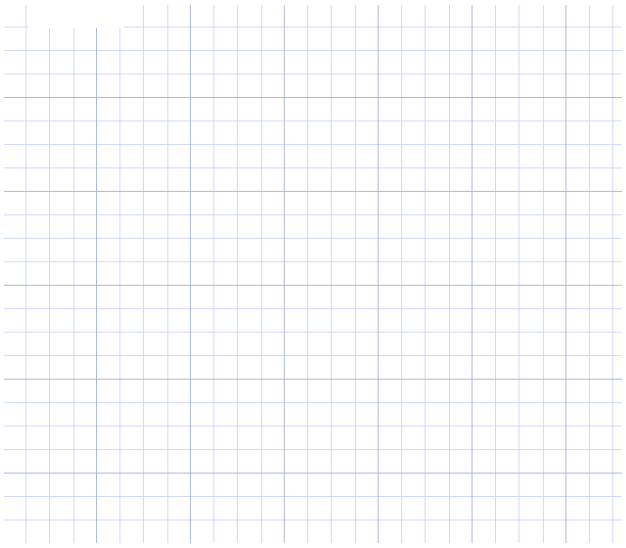
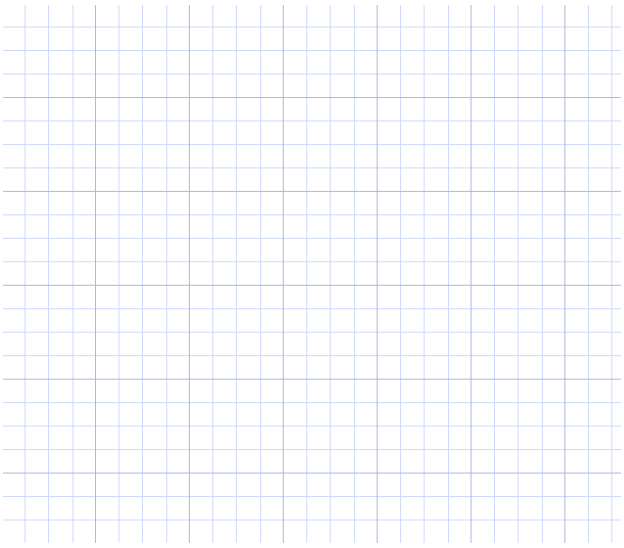
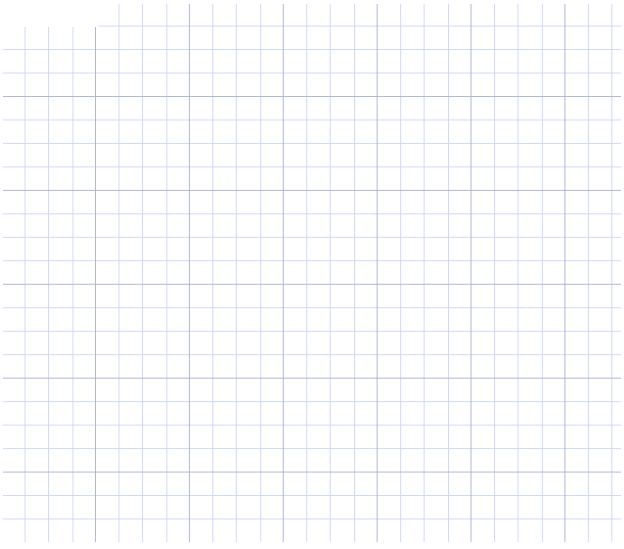
5. Graph: $f(x) = 6\left(\frac{1}{2}\right)^x$



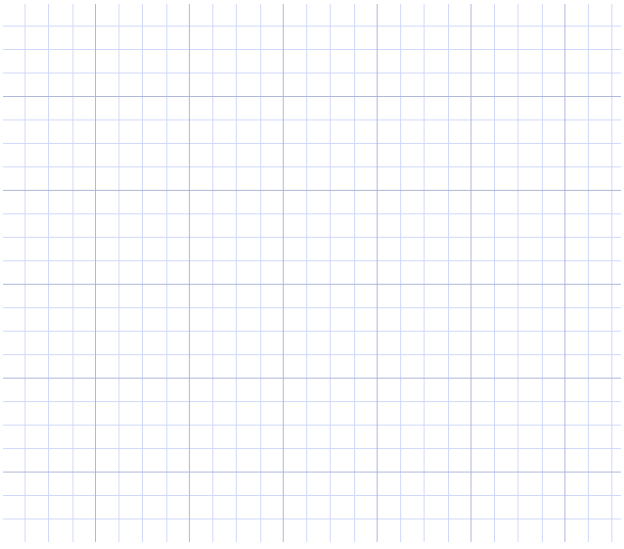
6. $f(x) = \frac{1}{2}\left(\frac{1}{3}\right)^x$



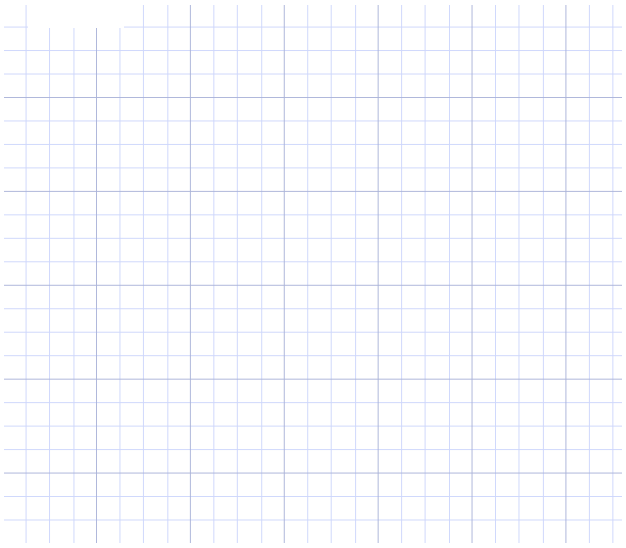
7. Graph: $f(x) = \left(\frac{1}{3}\right)^x - 5$



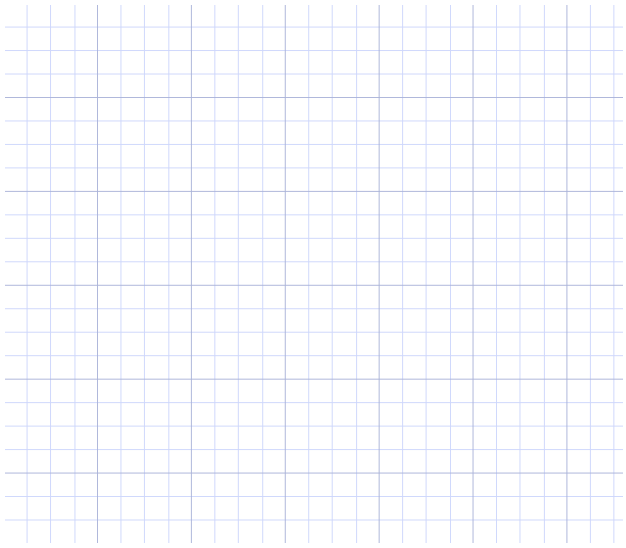
8. $f(x) = \left(\frac{1}{2}\right)^x + 5$



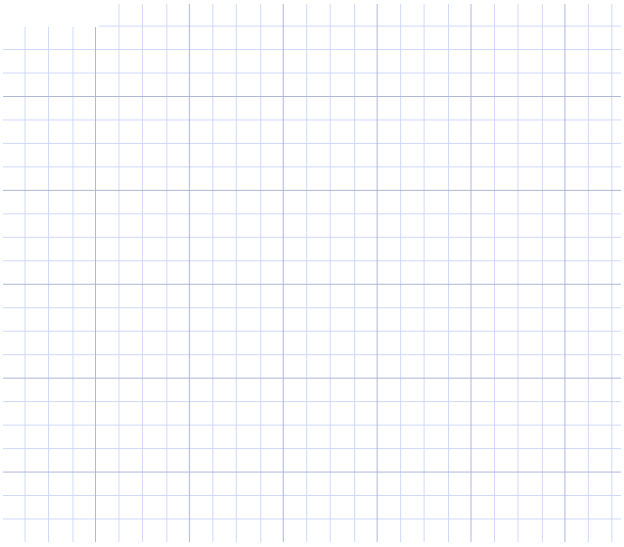
9. Graph: $f(x) = -\left(\frac{1}{2}\right)^x$



10. $f(x) = 4\left(\frac{1}{3}\right)^x$



11. Graph: $f(x) = 8\left(\frac{1}{4}\right)^x$



12. $f(x) = -5\left(\frac{1}{5}\right)^x$