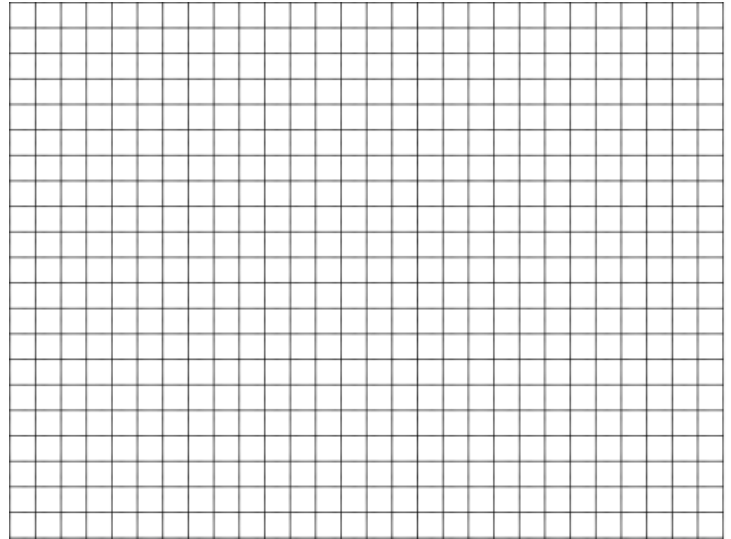


II. Practice

Graph each of the following and state the end behavior for each function. They have been grouped to graph together on the same plot. Specify at least 3 ordered pairs for each graph, along with the equation for any asymptotes. Check you graphs using Desmos or a graphing calculator.

4. $y = 3^x$
5. $y = -(3^x)$
6. $y = 3^{-x}$
7. $y = \left(\frac{1}{3}\right)^x$



8. $y = 2^x - 3$
9. $y = 2^{x-3}$
10. $y = 2^{-x}$



11. $y = -2^{x+3} + 1$
12. $y = \left(\frac{1}{2}\right)^{x-3} - 4$

