**Chapter 1 – Graphing Assignment**

Find a partner and complete the following. **You will hand it in on Monday. I suggest you graph each with an online graphing program like fooplot.com or desmos.com to check your work!**

For the following 4 functions,

* List all of the transformations.
* Create a parent table and transformed table.
* Make a graph.
* State the Domain and Range.
* State the Intervals of Increase/Decrease.
* State the End Behaviours.
* State the equations of the asymptotes if applicable.

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| a) $f\left(x\right)= \frac{1}{x} , y =6 f\left(-\left(x+1\right)\right)-4$ | b) $y= -\sqrt{-0.5\left(x-3\right)}+4 $ |
| c) $g\left(x\right)= \left|x\right| , y =0.5 g\left(2x\right)+3$ | d) $y=6\sin(\left(-45\left(x+2\right)\right))-3 $ |







