

Honours GSE Advanced Algebra
Unit 5: Exponential and Logarithmic Functions
Graphing Worksheet 1

Name: _____

Date: _____ Period: _____

Plot at least **5 Points** for each graph & Complete the Chart:

Equation	Eqn. of Asymptote	Domain	Range	Increasing or Decreasing
1. $y = 3^x$				
2. $y = 3^x - 2$				
3. $y = 3^{(x-2)}$				
4. $y = 3^{(x+1)} + 2$				
5. $y = 3^{-x}$				
6. $y = \left(\frac{1}{3}\right)^x$				
7. $y = \left(\frac{1}{3}\right)^x - 2$				
8. $y = \left(\frac{1}{3}\right)^{(x-2)}$				
9. $y = \left(\frac{1}{3}\right)^{(x+1)} + 1$				
10. $y = \left(\frac{1}{3}\right)^{-x}$				
11. $y = \left(\frac{1}{3}\right)^{-2} \left(\frac{1}{3}\right)^x$				
12. $y = 2\left(\frac{1}{3}\right)^x$				

