

## GRTR-1 Graphing Exponential and Logarithmic Functions

(complete both problems for M, complete one problem for P) Given  $f(x) = 1 - 2^{x-4}$

- a) State the domain in interval notation.
- b) State the intercepts.
- c) State the asymptote.
- d) Provide a sketch of the graph.

Given the graphs shown below, find the equation that will create the graph. Equations should be of the form  $y = a^{x \pm b} \pm c$

