Exponent Rules

- $(X^b)(Y^b) = (XY)^b$
- $(X^b/Y^b) = (X/Y)^b$
- $(X^n)(X^m) = X^{n+m}$
- $X^n/X^m = X^{n-m}$

Log Rules
- log (X) + log (Y) = log (XY)
- log (X) – log (Y) = log (X/Y)
- $n*\log (X) = \log (X^n)$
- When solving a log problem, remember:
  - log X=b can be solved as $X= 10^b$