

What are they? Why do we need them? How do they help us?

Section #1 Review of converting between equations in Exponential form and equations in Logarithmic form

Section #2 Discovering Some Log Laws!

LOG LAWS!!!!

**Section #3** Simplify and then Evaluate:

(a) 
$$\log_3 135 - \log_3 5$$
 (b)  $\log_3 18 + \log_3 \frac{3}{2}$ 

(c)  $\log_5 200 - \log_5 8$  (d)  $\log_3 3 + \log_5 1$ 

(e) 
$$\log_6 36^{\frac{1}{3}}$$
 (f)  $3^{-\frac{1}{2}\log_3 49}$