## LOG LAWS!!!!

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!

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) $3^{-\frac{1}{2} \log _{3} 49}$

