

Exponential and Logarithmic Functions Part 1

7 SOLVING INEQUATIONS

Plot the following inequalities:

a. $\log_2(x - 1) \geq 3$

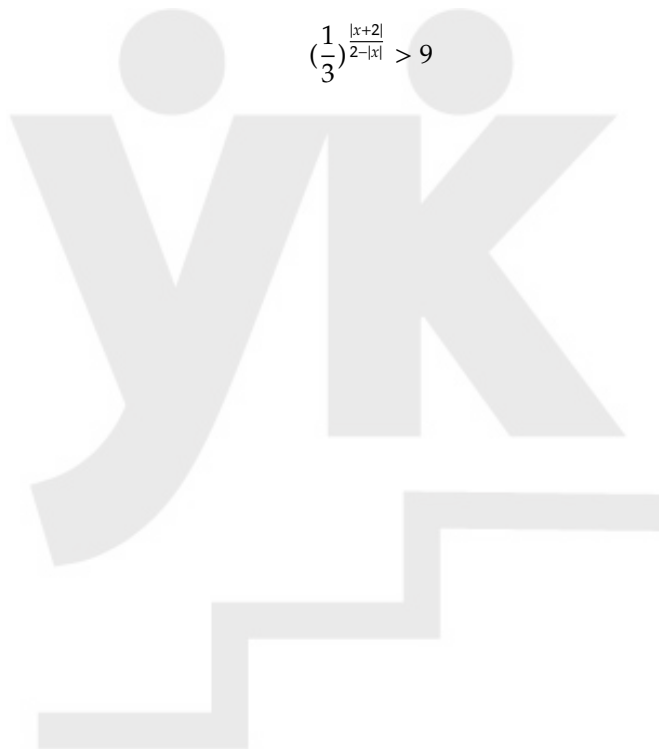
b. $\log_{\frac{1}{2}}(x^2 - 1) \geq \log_{\frac{1}{2}} 3x$

c. Solve: $\log_2\left(\frac{5x - x^2}{6}\right) > 0$

d. Solve this exponentially $2^{x-5} > \left(\frac{1}{64}\right)^{\frac{1}{x}}$

e. Solve

$$\left(\frac{1}{3}\right)^{\frac{|x+2|}{2-|x|}} > 9$$



Make sure that you ask for help if you don't understand completely! :)