MORE EQUATION SOLUTION
Source FOR X IN THE FOLLOWING:

$$|Og_{4}(x^{2}-2x) = log_{4}(5x-12)$$

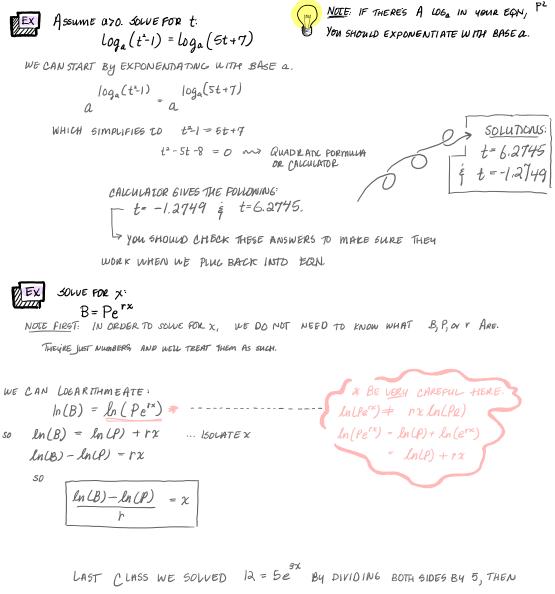
$$|Og_{4}(x^{2}-2x) = log_{4}(5x-12)$$

$$|Og_{4}(x^{2}-2x) = d_{1}Og_{4}(5x-12)$$

$$|Og_{4}(x^{2}-2x) = d_{1}Og_$$

NEED TO COMBINE LEFT SIDE INTO A SINGLE LOGARITHM. WING (DG RULES, WE KNOW WE CAN WRITE log(6x) - log(4-x) As $\log\left(\frac{6x}{4-x}\right)$

NOW I CAN EXPONENTIATE USING 10 AS MY BASE.



WOGAPITHMEATING. WE CAN DO THE SAME HERE.

Solve For x:

$$\log_{2}(x) = 1 - \log_{2}(x-3)$$
REWRITING WILL MARE THINGS EASIER:

$$\log_{2}(x) + \log_{2}(x-3) = 1$$

$$\log_{2}(x) + \log_{2}(x-3) = 1$$
Now Exponentiate with Ease 2.

$$2 \log_{2}(x^{2}-3x) = 2$$
While Exponentiate with Ease 2.

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