8-3 Notes Logarithmic & Exponential Equations Pre-Calculus

We are now able to apply the previous lessons' formulas to solving logarithmic and exponential equations using algebraic techniques.

I. Solving Equations Involving Logs & Exponentials

3. $\ln x + \ln(x - 4) = \ln(x + 6)$ 4. 2× = 5

6. $5^{x-2} = 3^{3x+2}$ 5.8 · 3[×] = 5

7. $4^{x} - 2^{x} - 12 = 0$ 8. Use a calculator to solve. $x + e^{x} = 2$