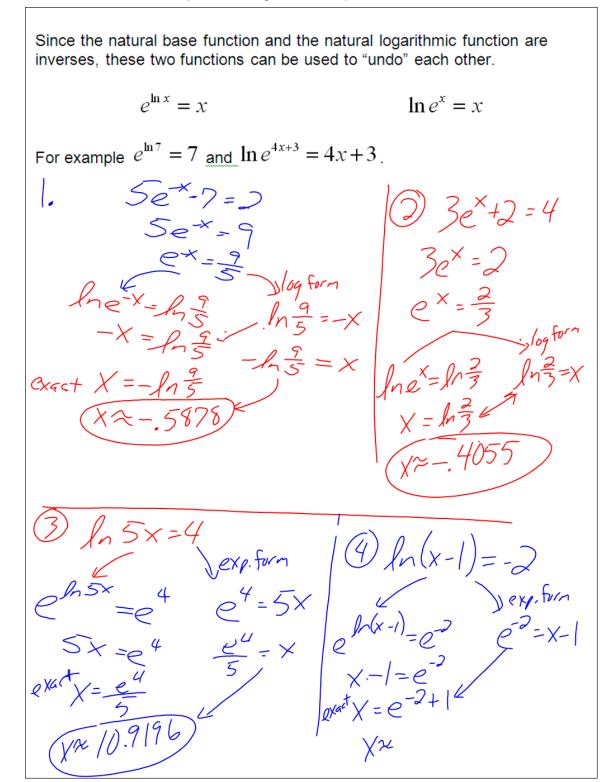
hes= Ine=logo 68) 8 Ine17=17 ~<sup>-6</sup> = -Oh(2x+5) = 2x+5 $\ln e^{3x-9} = 3x-9$ 

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When interest is compounded continuously, the amount A in an account after t years is found using the formula  $A = Pe^{rt}$ , where P is the amount of principal and  $\mathcal{V}$  is the annual interest rate (as a decimal).

Suppose you deposit \$1000 in an account paying 2.5% annual interest, compounded continuously, what is the balance after 10 years? (15) years?

 $A = |000e^{-025(10)} | A = |000e^{-025(15)} | A = |1000e^{-025(15)} | A$ 

9.5 West -> due tomorron Midtems -> due Thursday (Spts)