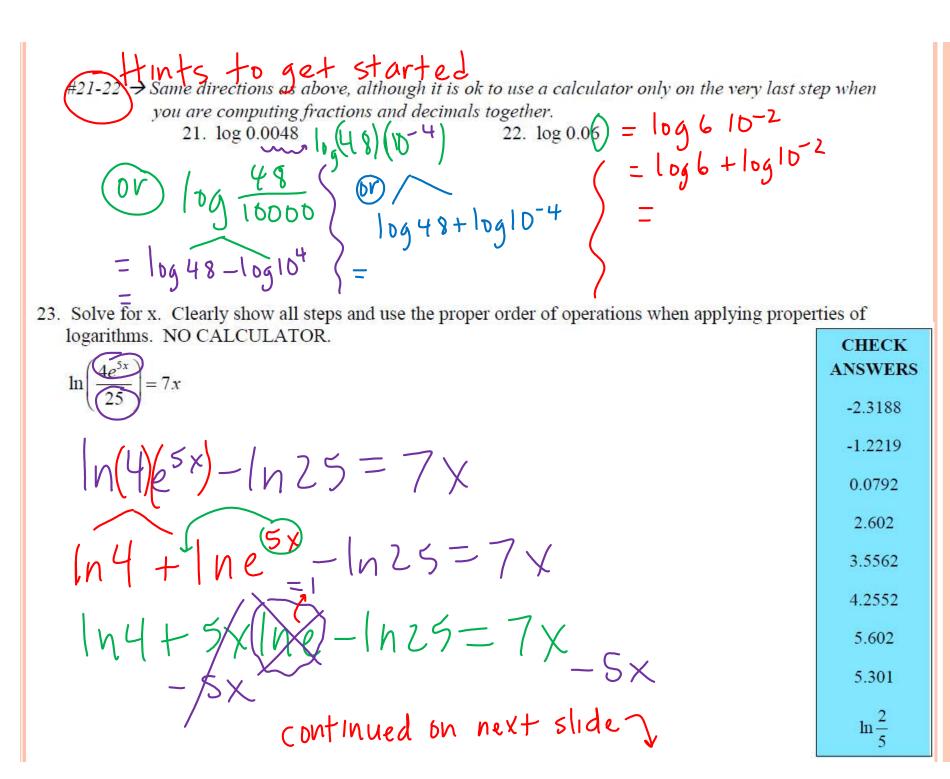
HINTS FOR PREVIOUS ASSIGNMENT #1-23



#23 continued (from previous assignment)

|n4 - |n25 = 7x - 5x $\ln \frac{4}{25} = 2 \times$ $\frac{1}{2}(n\frac{4}{2s}) = \frac{1}{2}(2x)$ $\left| N \left(\frac{4}{25} \right)^{\frac{1}{2}} = X \right|$ $N \frac{14}{125} = X$ $\left[\ln \frac{2}{5} = x \right]$ exact value

TODAY'S ASSIGNMENT: #1-48 SHOW WORK!!! ALL PROBLEMS MARKED WITH ON THE FRONT PAGE SHOULD HAVE SOME WORK. BACK PAGE: SHOW WORK FOR ALL

NO CALCULATOR EXCEPT #26,27,28

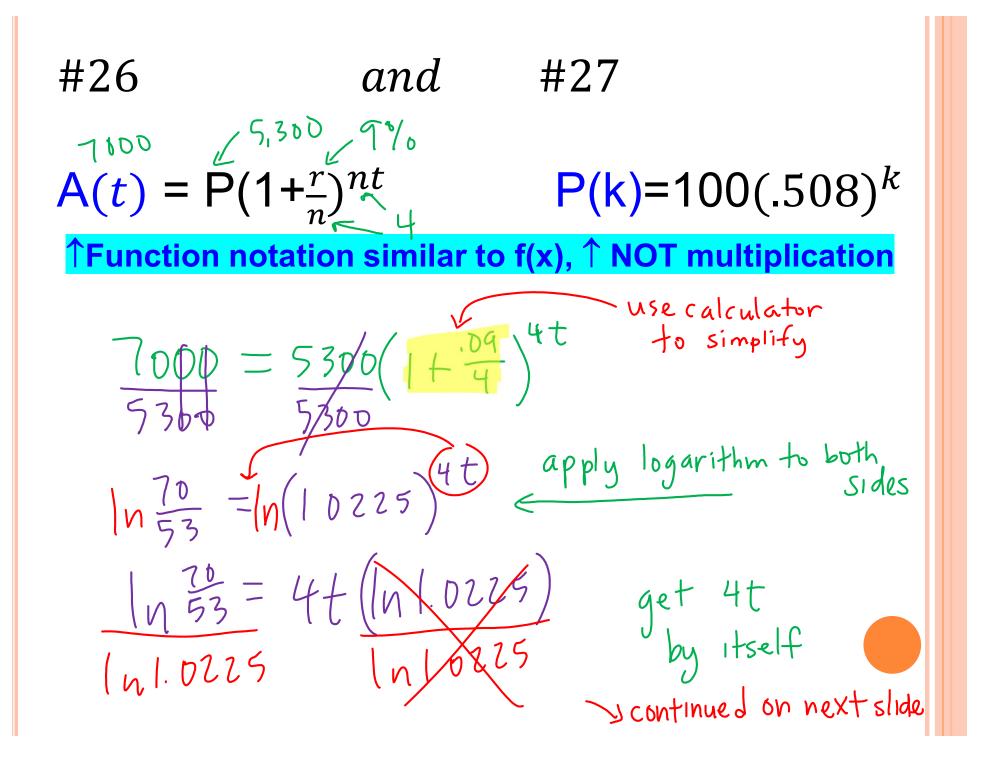
 $\log \frac{\sqrt[4]{a^2}}{\sqrt[4]{b}} = \log \left(\frac{a^2}{b}\right)^{\frac{1}{4}}$ show steps $=\frac{1}{4}\log\frac{a^2}{b}$ $=\frac{1}{4}\left(2\log a - \log b\right)$ demonstrate your thinking process!

21. If $\log 2 = a$ and $\log 3 = b$,

express log 6 in terms of a and b

 $\log 6 = \log (2)(3)$ = log 2 + log 3 = |a + b|





#26 continued

$$\frac{1}{10} \frac{70}{53} = 4t$$

$$\ln 10225$$

$$\dim 10225$$

$$\ln (70-53) - \ln (10225)$$

$$\ln (70-53) - \ln (10225)$$

$$\ln (70-53) - \ln (10225)$$

$$\ln (102$$