## Continue
































 you don't need to apply the change-of-base formula because we can calculate it directly with a calculator. However, the intention of this problem is to showcase our in-depth understanding of general and natural logarithms, and how to properly handle the formula. So, let's transform largellnleft(\{13\}\}right) into LOG form where the base is Vargelcolor\{\{blue\}e, therefore, Varge\{llog _\{large\{e\}\}\}\}left(\{13\}\right). Now we use the change-of-base formula to express it as a proportion of two common logarithms. Remember, the common logarithm uses base-10. Yes! The alculator agrees with our answer. Answer.

