7. [5 points]

a. [3 points] Let k, j be positive constants with $k > j > 0$. If any of the following values are undefined, write them in the "Undefined:" blank below. Then sort the remaining values from least to greatest.

0 $\log(-k)$ $\log(k/j)$ $\log(j/k)$ $\log(0)$

Undefined: 0,$\log(-k)$

Remaining quantities ordered from LEAST to GREATEST:

$\log(j/k) < 0 < \log(k/j)$

b. [2 points] If $\log(ab) = 2$, then...

Give a value for each of the following, or write NEI *if there is not enough information to answer.*

$ab =$ $10^2 = 100$

$\log(a) \cdot \log(b) =$ **NEI**