

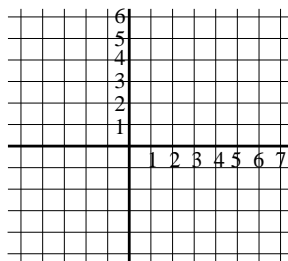
Quiz 2:

1.) Write as a single simplified logarithm:

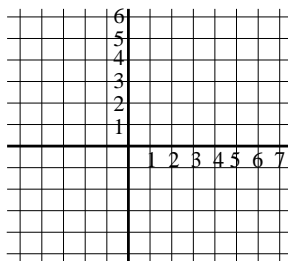
$$\ln(1)\ln(3/5) + 2\ln(3) - \ln(e)\ln(4) = \underline{\hspace{4cm}}$$

2.) Graph the following

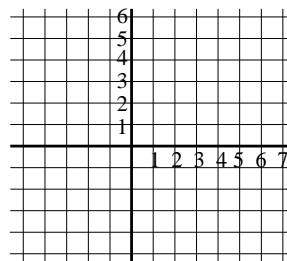
1a) $y = e^x$



(b) $y = e^{-x}$



(c) $y = \ln(x)$



3.) Give an example of an initial value problem with multiple solutions.

4.) Define: A function f is linear if