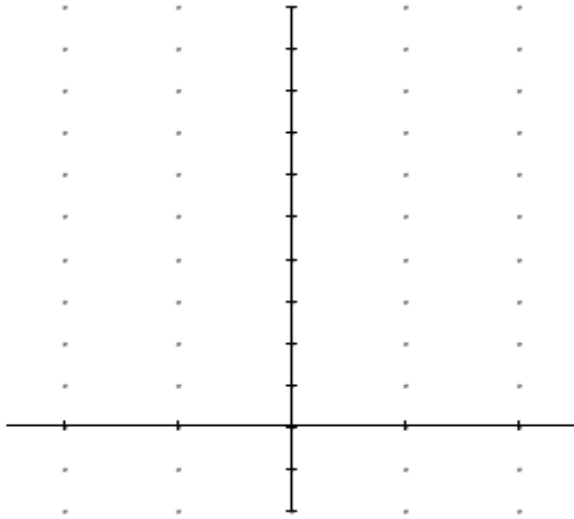


Quiz #11: The Last One!

Directions: Please show all your work since partial credit is given. Answers without the necessary work may receive no credit. This quiz is due no later than **Tuesday, May 11, at 9:00 pm**. Remember to relax and have fun!

1. Sketch a graph of $g(x) = 2^x + 3$. Please label your graph completely, including at least three points and any important features.



2. Solve the following for x .

a) $\log_8 x = -2$

b) $\log x = 0$

3. Write the logarithm in expanded form:

$$\ln \left(\sqrt[3]{\frac{a}{b}} \right)$$
