## Quiz 1

4/27/2023
Name:

1. Write $\log _{2} x+\log _{4} y+1$ as a single logarithm.
2. Solve the equation $\frac{1}{e^{x}}=e^{x+1}$
3. Solve the inequality $\log _{1 / 2} x<\log _{2} x$
