

MATH 2A/5A Prep: Exponential and Logarithm Functions

1. Determine whether $3 \ln(3) - 2 \ln(6)$ is positive or negative.
2. Order the numbers e^{4+4} , $e^{4 \cdot 4}$ and e^{4^3} from smallest to largest.
3. Solve the equation $e^{2x} = 9$.
4. Solve the equation $\ln(1 + x) - \ln(1 - x) = 1$.