Work on these with your partner(s) at the board

1. Simplify each expression to a single numeric value

   a. $\log_2(128)$

   b. $\log_3\left(\frac{1}{81}\right)$

   c. $e^{\ln(5)}$

   d. $e^{3\ln(5)}$

2. Solve the given equation for x

   a. $\ln(x+1) = 3$

   b. $\ln(x+3) + \ln(x) = \ln(4)$