1. Simplify each expression as much as possible

a. 
$$\log_2(128)$$

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

b. 
$$\log_3\left(\frac{4}{81}\right)$$

d. 
$$ln(4e^2) - ln(2e^{-3})$$

2. Solve the given equation for x

a. 
$$xe^{-3x} + 4e^{-3x} = 0$$

b. 
$$x^2 \ln(x) - 9 \ln(x) = 0$$

1 / 1