

# 1 Exponential and Logarithm Identities

Make sure that you have memorized the following identities and can use them in simple algebra problems:

$$e^{u+v} = e^u e^v \tag{1}$$

$$\ln uv = \ln u + \ln v \tag{2}$$

$$u^v = e^{v \ln u} \tag{3}$$