## AST 475/875 Homework \#2

Due T, Aug $31^{\text {st }}$ in class

Imagine there is a determined relation between a quantity z and the independently measured quantities $\mathrm{a}, \mathrm{b}$, and c given by

$$
z=a \ln c-b c
$$

Give the expression for the uncertainty in $\mathrm{z}, \sigma_{z}$, in terms of the uncertainties in the measured quantities $\sigma_{a}, \sigma_{b}, \sigma_{c}$.

