

EXP-LOG QUESTIONS

Period: \_\_\_\_\_

NO CALCULATOR ALLOWED.ALL ANSWERS IN TERMS  
OF  $\log(x)$ ,  $\ln(x)$  OR, preferred:  
JUST DECIMALS, INTEGERS.1. Find  $x$ 

$$5e^{2x+1} = 3$$

a, EXACTLY (NO TI-83)

b, if know  $\ln(3) = 1.099$ ,  $\ln(5) = 1.609$  (NO TI-83,  
3 DECIMALS)

2.  $\ln(1/2) = c \ln(2)$ . Find  $c$ .

3.  $\ln(\sqrt{x}) = a \ln(x)$ . Find  $a$ .

4.  $\log_3(7) = g \cdot \ln(7)$  Find  $g$ .