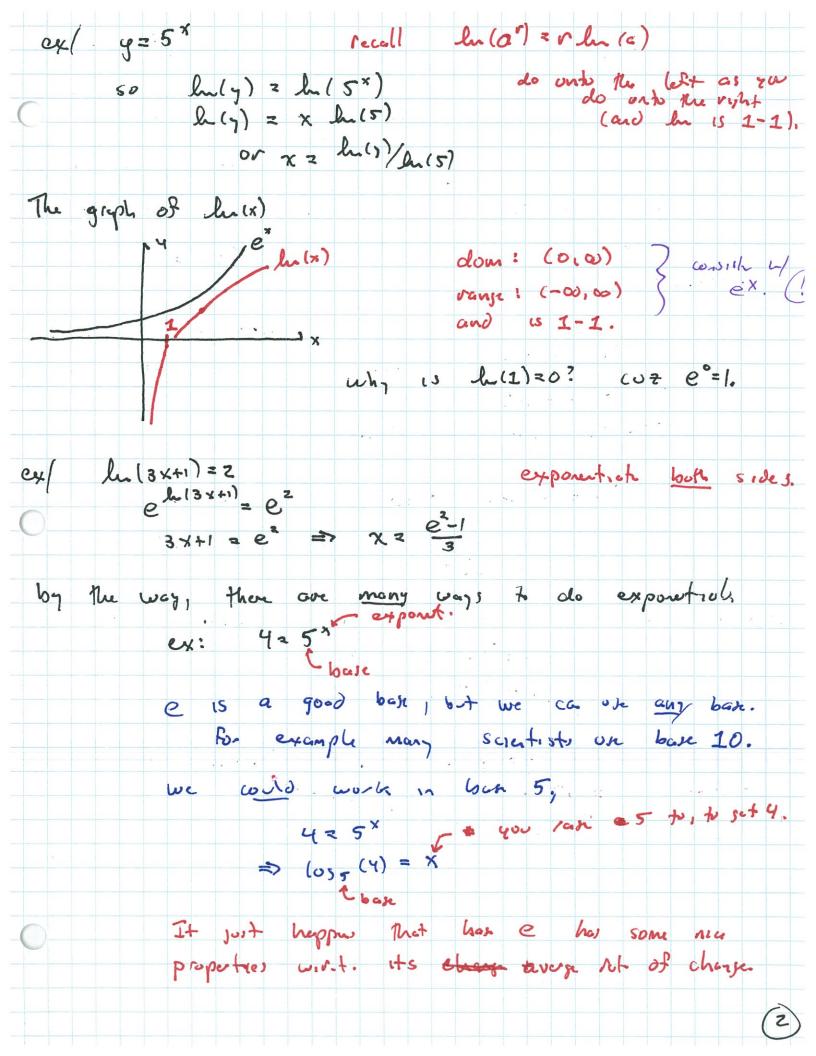
Section 3.3				ALEKS
property	to solu	fins.		
word p	roblens.	7-Cn3 .	-	
expositel	function) :		loss:
7 =	a^{\star}		y=	ex 2.718
Inv. of a	Lucture.		0.2/	
y =	fix	then	x = f-1	
		and	A= }(
DS: The	inu. O	\$ \$\left\(\) #	exp(x) =	e ^x (s
the	netural	loz, x	= ln (y).	
50, (}	y=ex		= ln (y)	(and via vers
1	σ -	and l	cle*)=x	
		and e	≥h(x) = x.	
ex/ if	y=e3	then -	lu(y)=3	
	σ •		1 pe	# you have to
			11 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	

(1)



If y=2" then x=1052(y) for ex/ 8=23 or 3= (09= (8) 16 = 2 dos (16) C4/ log 8 (3x+1) = 2 + log 8(x) => 8 1038 (3x+1) = 8 24 1038(x1) 34+1 = 8 = 8 losg(x) 3 x + 1 = 64 (x) (=61(x) ~ x = 1/61. cx/ ln(x1)=4 50 X= E eh(x1) = e and x = ± Je4 = ± e2 Zuhich one? eith (both! cut x'=e' and h(e')= yr This need to be checked, and we have to be care ful! why? loga(x) = 6 => a =x so G > 0
2 strict. pot 070 ⇒ x70. don of lose (r) is (0, w) Recall: vange of lose (x) 15 (-0,00). 3

