Pset 3

60					
1)	Circuit (SL)	Yout calculated	Vous mea	sured	Vin
	10 k	2.5 √	2.55 V	,	assymed = SV
	look	2.5 1	2.45V		Vin acroat
	ıM	2.5 V	1.73 V		= 5.14V
`					
2)	Yin	$R_{p} = \frac{1}{R + AD} =$	R-AD Von	F) (Vin)	R
	I Vout	RTAD	KTAD	solve for	Rp then AD
	RASAD	Vout = Vin · Rp Vant (Rp+R) = Vin Rp			
		$R_p + R  Vin R_p - Vout R_p = Vout R$			
					· ·
	AD = RRP Rp = Vont · R/(Vin-Vont)				
	Circuit (2)	Rp from Vont	AD from Rp	impedo	ince of AD:
	lok	9.85.1032	6.57.105 52	approx	ximately
	(00k	9.11.10412	1.02.1060	1.0	2 M_Q
	IM	5.07.105 1	1.03.106.1		
3)	5 V	for AV=0, VI	ett = Vin . 200	and v	left = Vright
	Vright = Vin R				
2	00.9 7 3 R	$\frac{200}{360} = R$			
	*	360 200+R	3(200+K) - K	R=	4001

4)

2. Equali Rs = ER
3. Lower; Rp = /E(1/R)
4. VXR so Vout Lower. IX/R so Ia higher.