The Digital Economist

nciples of Macroeconomics rksheet #4: Macroeconomic Data						Name :			
1. Given the	following	data for	a three	good e	conomy	':			
	Base	Base Year		1998		1999		2000	
Good	P	Q	P	Q	P	Q	P	Q	
Apples			1.60				1.75	150	
Bread	1.00		1.25		1.25		1.30	230	
Milk	1.25	150	1.40	140	1.40	180	1.50	180	
a. Calculate	the followi	ng:							
	Nomi	Nominal GDP (NGDP)			Real GDP (RGDP)				
1998									
1999									
2000									
b. Calculate	the rate of	Econon	nic Gro	wth bet	ween:				
1000 0 11	999:		and	1999	& 2000	:		_	
1998 & 19									
c. Calculate		dex (CF		ne follo			Deflatoi	and the	
c. Calculate	(to three de	dex (CF	PI) for th	ne follo		ars:	Deflato i	and the	
c. Calculate (Consume	(to three de	dex (CF	PI) for th	ne follo		ars:	Deflato	and the	
c. Calculate (Consume) Base Year	(to three de	dex (CF	PI) for th	ne follo		ars:	Deflatoi	and the	
Calculate (Consume) Base Year 1998:	(to three de	dex (CF	PI) for th	ne follo l ator		ars:	Deflato	and the	
Calculate (Consume) Base Year 1998: 1999: 2000:	(to three de	dex (CF Gl	PI) for the DP Defi	ne follo l ator		ars:	Deflatoi	and the	
Calculate (Consume) Base Year 1998: 1999: 2000: d. Why do the	(to three de r Price Ind	dex (CF GI	oI) for the order of the order	ne follo lator	wing ye	ars:	Deflator	and the	

2.	Value	s for Real GDP and	d th	e Consumer	Price Index (CPI) are a	s follows:
			a.	RGDP \$8,675	166.6	
		the rate of inflation or the year 2000 if	ı be		& 2000, derive the real	rate of interest
pei	riod of		_ Is	this to the b	e rate of economic grov penefit of lenders or	vth for the same
3.	to the includ lent. E inflation	nominal rate of intendent of this inflation presonance to on will enhance the	eres miu this eir a	st based in particular state on interpolation in the state on interpolation in the state of the	ender come to an agree art on inflationary expe the purchasing power of rest because they expect ay the debt. The ability of and may be calculate	ctations. Lenders of the funds being t that future to pay the debt is
En	nbedded nder agr Given	nat an individual body in this interest rate to this inflation this information, v	orro e is pre	an inflation mium.	to purchase a house at premium (π^e) of 5%. Example at each of return of the loar	Both borrower and
b.	If the	s? borrower has an an	ınua	l income of	\$28,000, what is the de	bt burden of this
c.		ate the level of inc		_	er the first three years of this same rate) and the	
Ye	ear 1: ear 2: ear 3:	Income (at 5% growth)		Burden		Burden'
W	hat is h	appening to the bu	rden	of the debt	over time?	
d.	-	vers benefit or are			n annual rate of inflation slower rate of inflation	