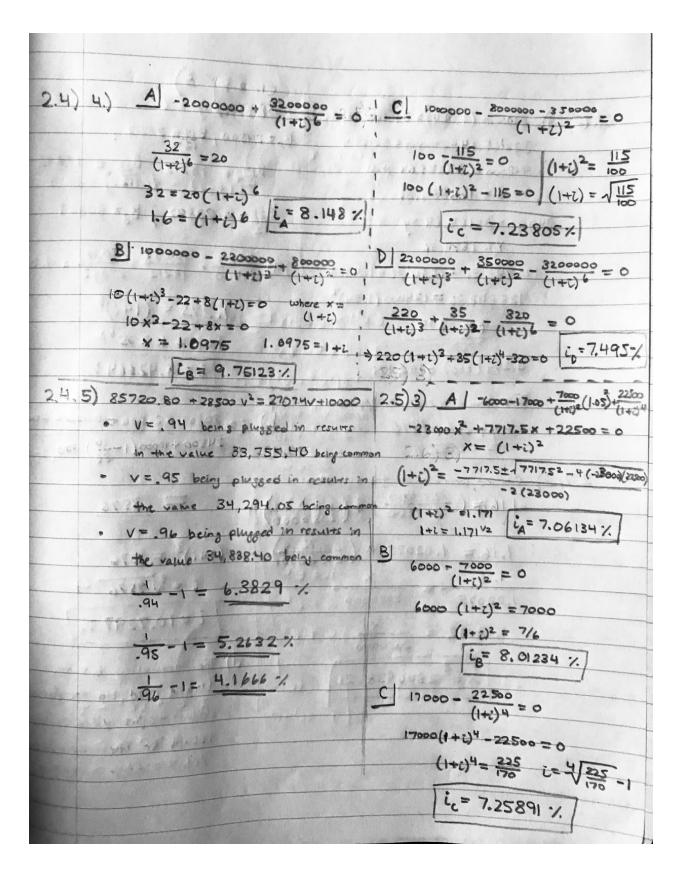
PSTAT 171 HW # 2 6.) 12000 = 6000 + 8000 2.2) 5.) 3C = C(1+0.8) 3= 1.9T Frank 12000= 15000 X= (1+1)-2 In (3) = T.In(1.08) 8x2+6x-12=0 Te In 3 14.274915 6 4x2+3x-6=0 Ty = In (3) = 28.011629 x=-3±19-4(-6)(4) $T_{12} = \frac{\ln(3)}{\ln(1.12)} = 9.694035$ L= . 6507 12 = 15 14.2749 N. 08 | n= 114 i = 28.011 i = 9.694 tin (1.0507) = in (15/12) t = 4.514 yrs 2.3) 3) $A_{2}^{A_{1}} = 20000 (1 + .06)^{+}$ 11.) a) $400 + \frac{300}{1.24} = \frac{x}{1.48}$ X = 950.06 b) x = 300(1.24) +400(1.48) X = 964 = 20000 (1.06) + 1000 A2 = (20000 (1.06) +-10000) (11.06) + C) This is because morey can have 2000 0 (1.01) + -10000 (1.66) + = 12000 different values at different times, thus allowing the 10(1.06)+-5 (1.06)+-6=0 equations to be equal to (1.06) = 5± 1265 eachother at distinct times. d) 400 + 300 × (1.06)8 time b (1.06)+= 1.0639 Pastrive t= In (1.0639) In (1.06) (a) 400 (1.06) + 300 (1.06) = X X= 1016.28 (6) 300 (1.06)4 + 400 (1.06) = x t = 1.069 years x = 1016.28



	(cn 2) 5)
2.6) 3) 290000 (1.084) 2 822165.64	Review)
322165.64-290000= 32165.4	B= 24500, B17 = 28212,
448000 = 322165,64 +X X = 1825834.36	$8_{\frac{17}{12}+} = 18212$, $8_{\frac{23}{12}} = 15892$
34000 = 32165.64 +y	B ₂₃ += 23892 , B ₃ = 30309
125843.36 - 1834.36 = 124000	a) 28212 15892 80369 = 1.275
125 842.36 = 124000 (1.54)*	$1.275 = (1+i)^3$
t=.279	1+L=1.2×V3
0.279 (366) = 102.174	t= 8.42664 %
This would result in approx	SHE STATE OF THE SHE SHE STATE OF THE SHE
Sept 26, 1996 day	b) [= 30309 - 24500 + 10000 - 2000
27)	24500 + 10000 (1-16)-800 (1-31)
2.7) 3) Can be written as the equation 1.16 = (1230000) + (1205000) + (20	= .3576
1.16 = 1.02075 + (203	$\frac{x}{2000}$ (1+ i) ³ = .3576
1.16 ×	L = \$\sqrt{.3576} -1
1.02075 2030000 1.13642 = ×	[i=10.7297 %]
2030000 X= 2306938.21	d) The inequality b/t the
	Utopia Fund and the Abiyote dollar-weight yield is the
The second parts	result of their non-linear telationship t ratios.