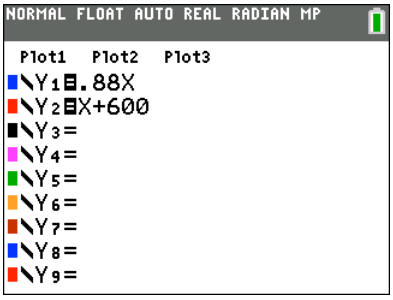
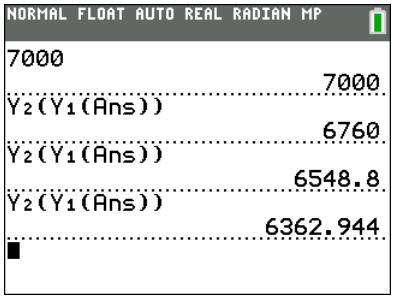
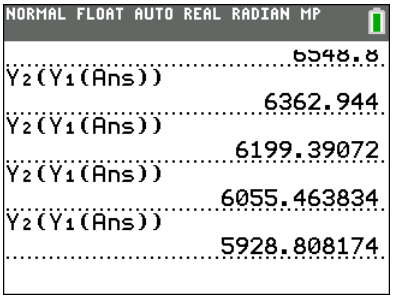
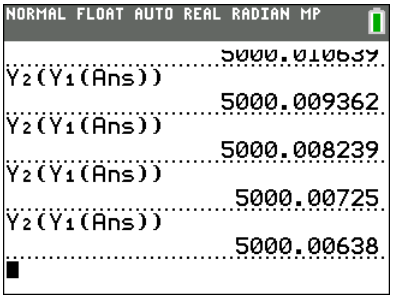
Screen Shots/ Answer Key for TI-84

1. Composition Solution:



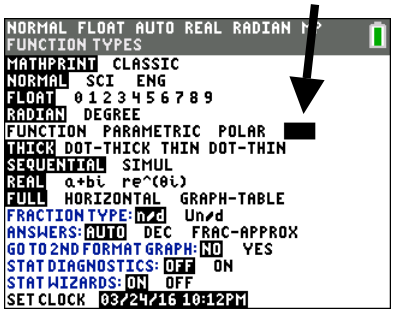


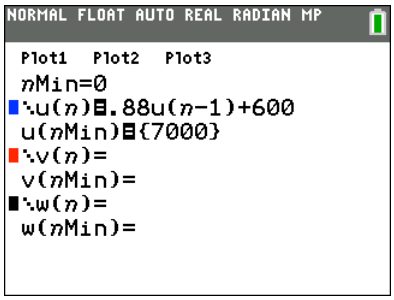


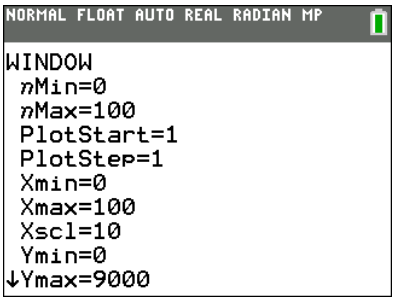


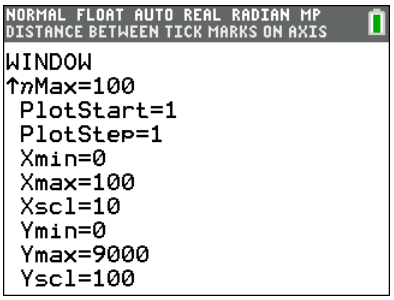
D) 6760.00 trees; 6362.90 trees; 6055.50 trees **E)** 5000 trees

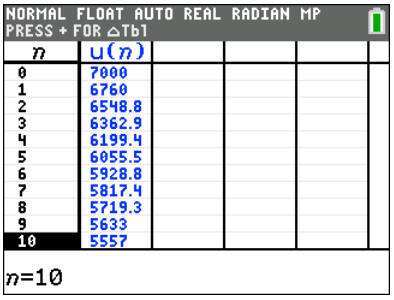
1. Recursive Solution- Use Sequence Mode (SEQ):

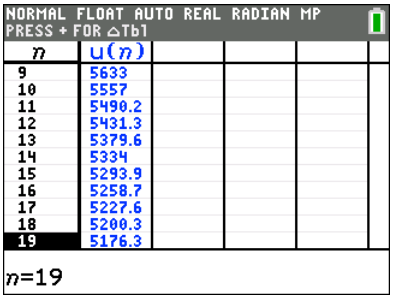


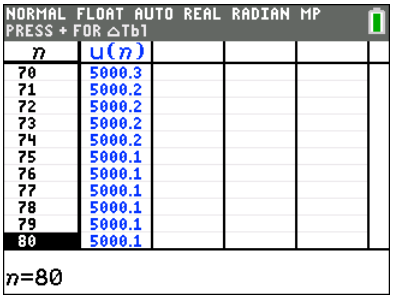


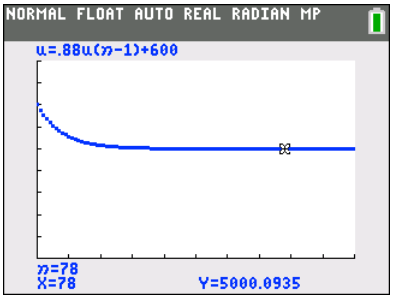




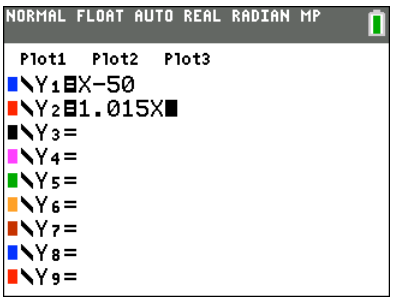


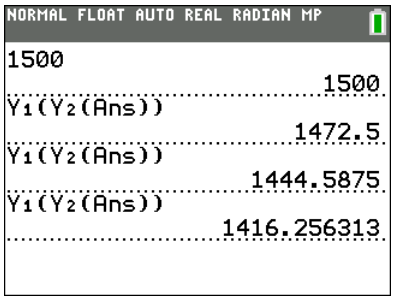


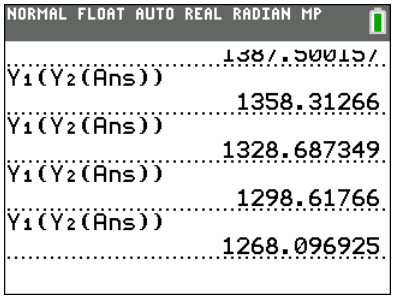


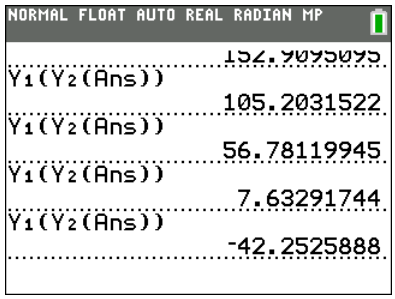


2. Composition Solution:



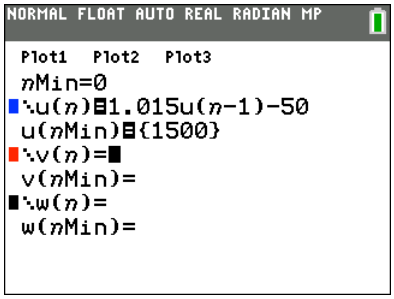


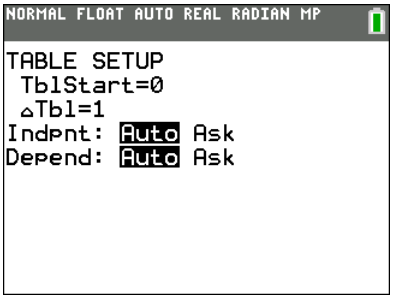


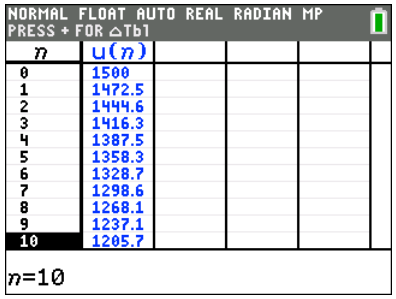


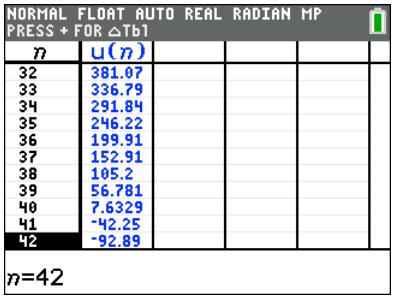
F) 7 months: $1298.62 **G)** 41 months: -$42.25 **H)** 40* $50 + $7.63 = $2007.64

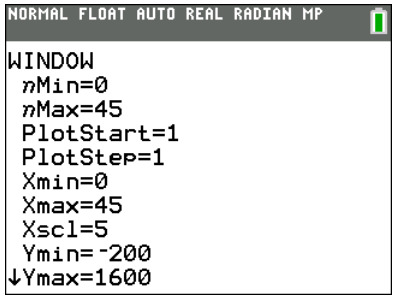
2. Recursive Solution:

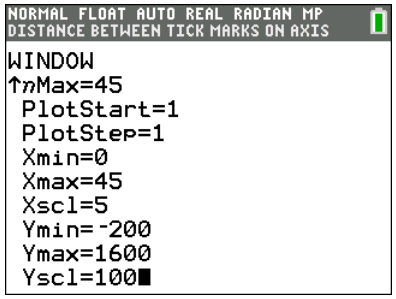


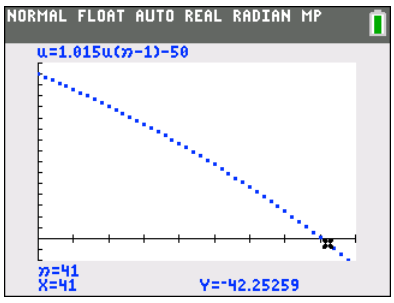




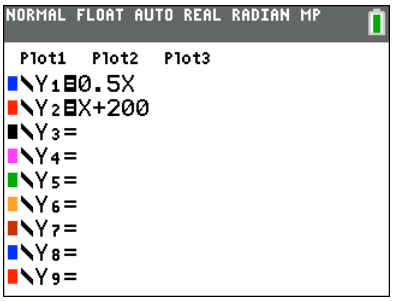


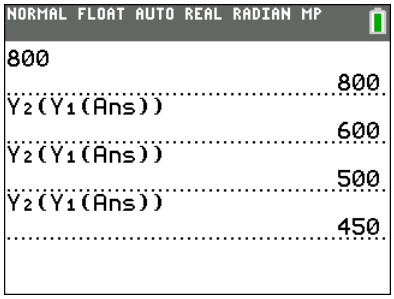


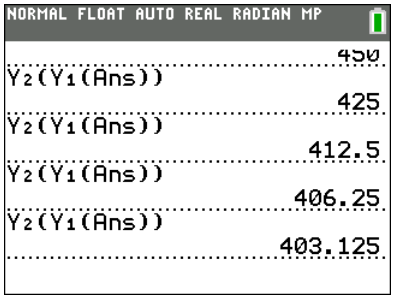


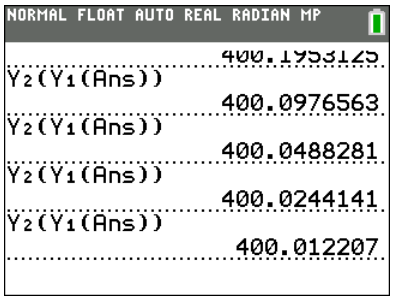


3. Composition Solution:



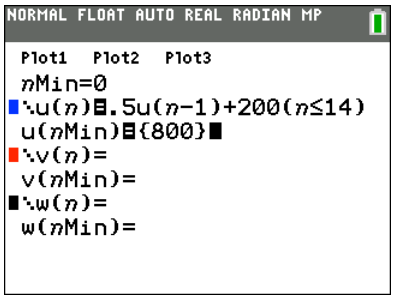


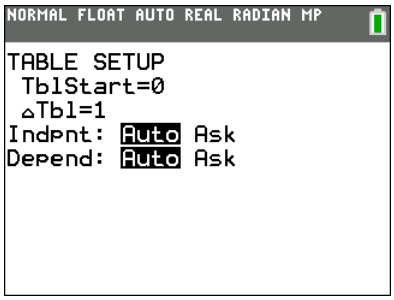


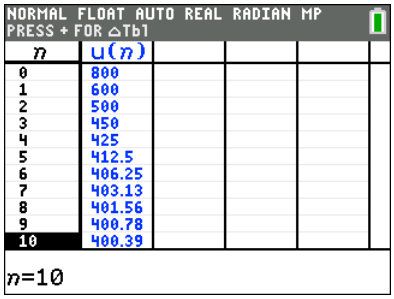


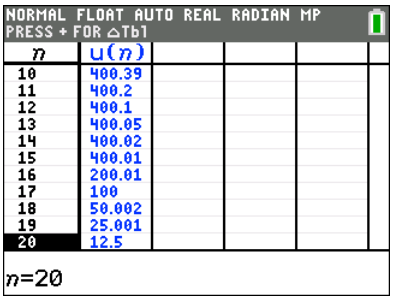
D. 600 mg. ; 412.5 mg. ; 400.02 mg. **E.** After 23 days there will be .7812 mg. **F.** 400 mg. **G.** 400 mg.

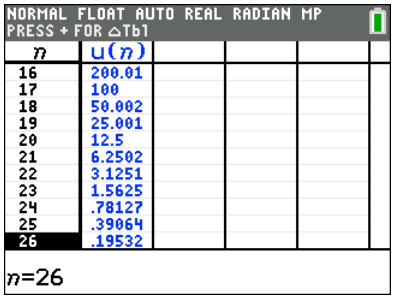
3. Recursive Solution:

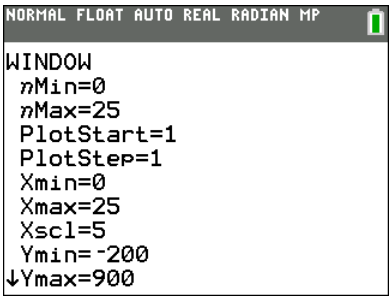


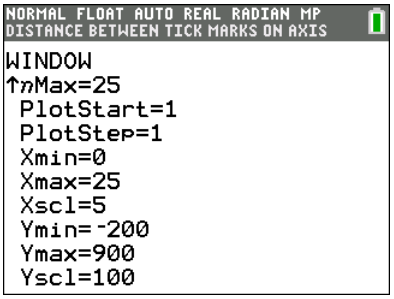


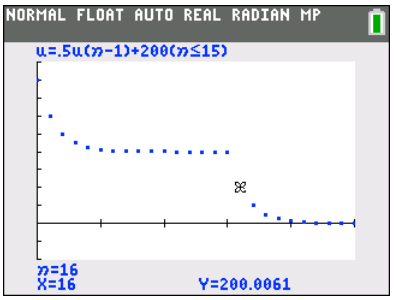




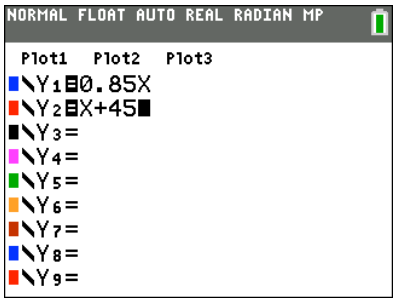


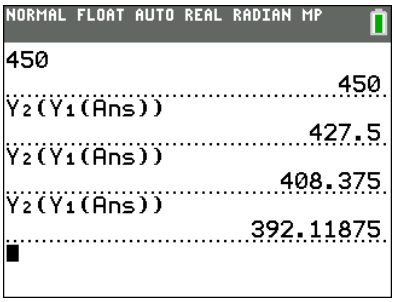


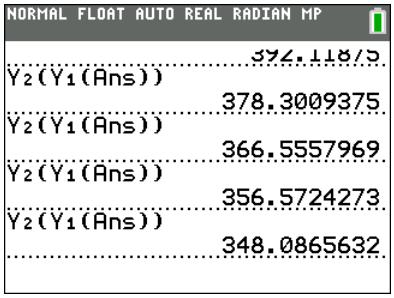


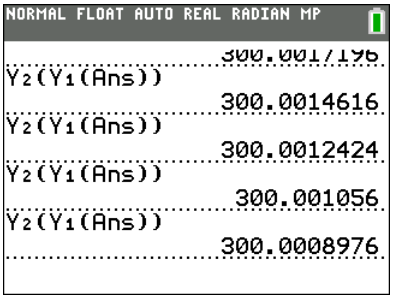


4. Composition Solution:



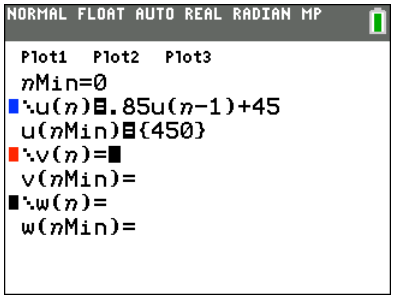


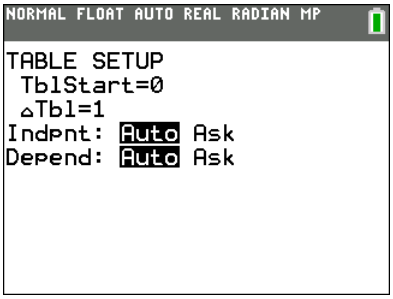


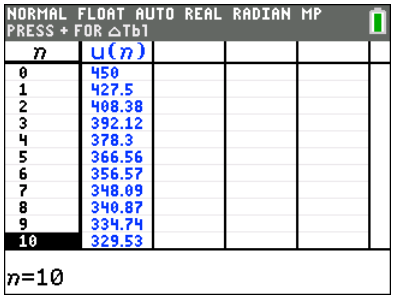


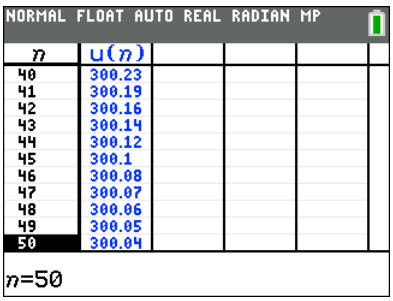
D) 427.50 mg.; 392.11 mg. ; 329.53 mg. **E)** 300 mg.

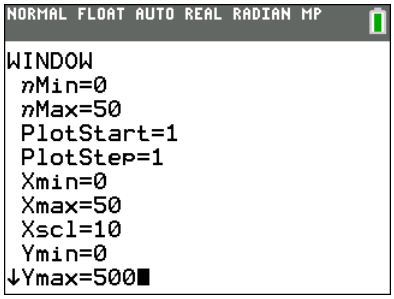
4. Recursive Solution:

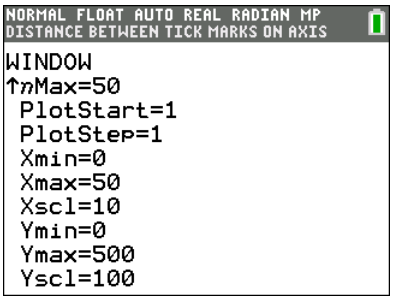


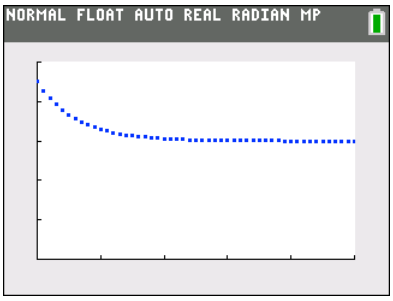




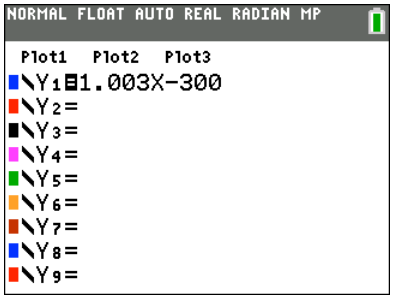


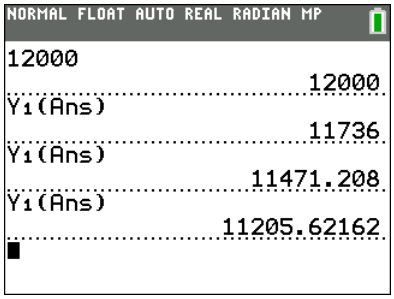


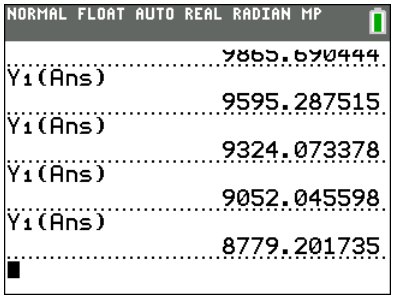




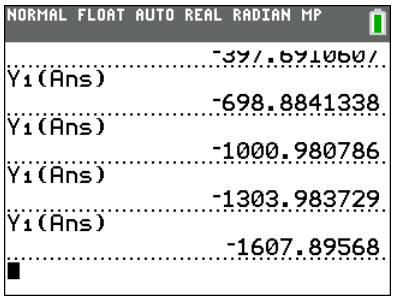
5. Composition Solution:





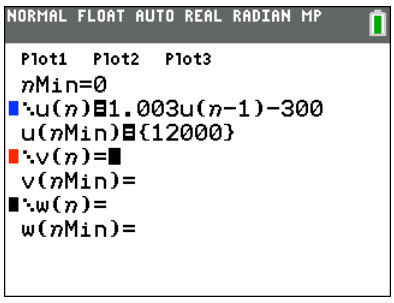


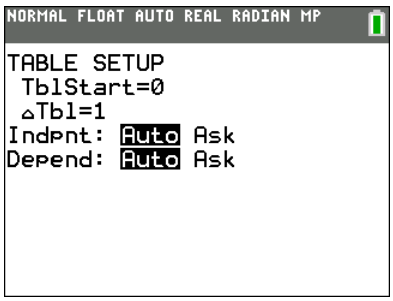
12 month balance

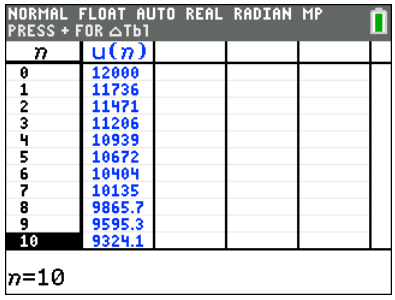


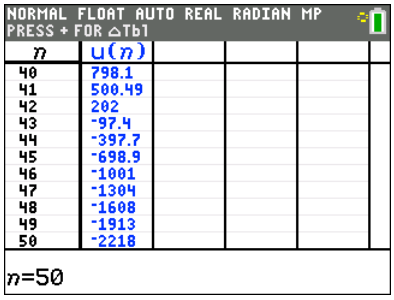
4 year balance is -$1607.90 (not enough money)

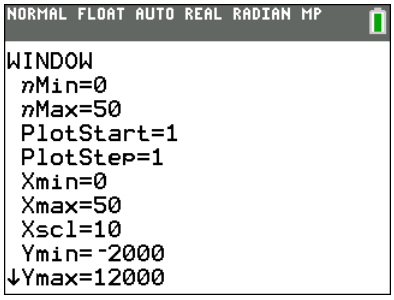
5. Recursive Solution:

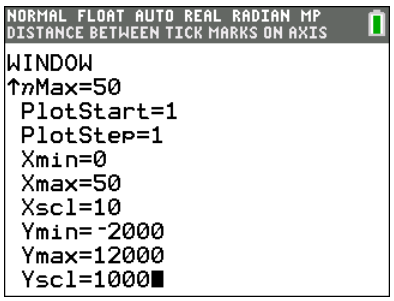


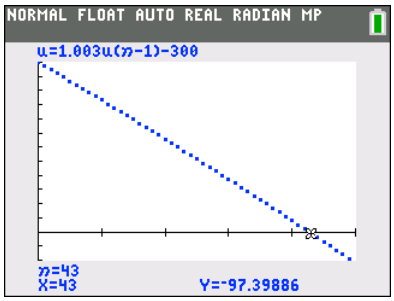




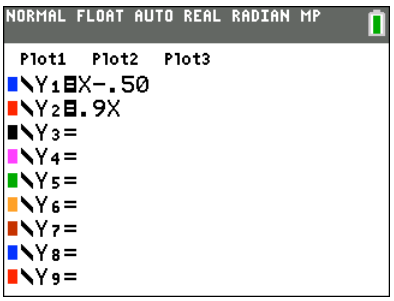


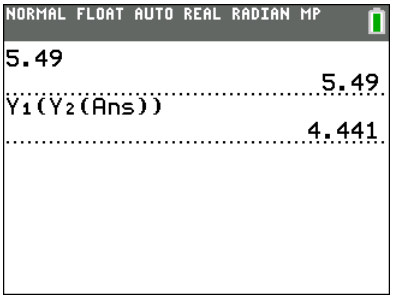




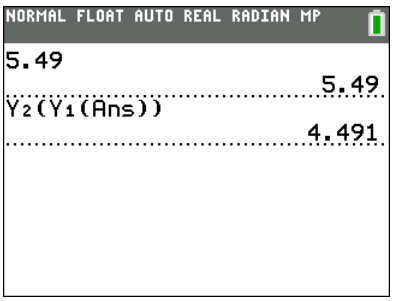


6. Composition Solution:



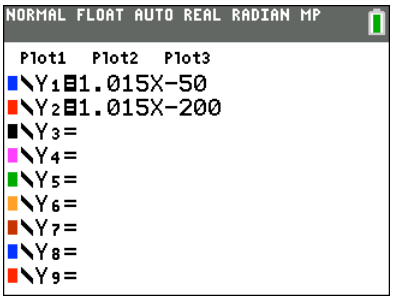


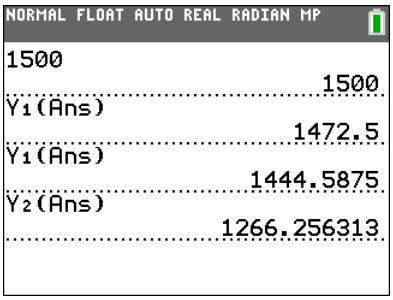
Priya's Server

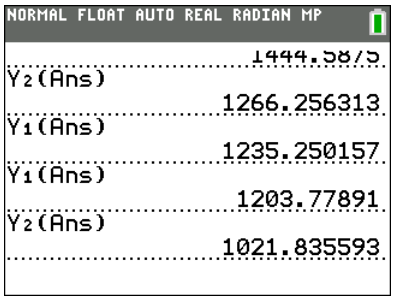


Jen's Server

7. Composition Solution:







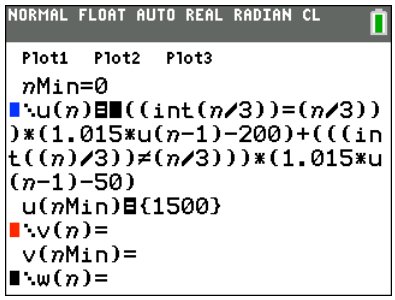
Month	Pay Amt	Formula	Balance
0	-	-	1500
1	50	Y1(ans)	1472.5
2	50	Y1(ans)	1444.59
3	200	Y2(ans)	1266.26
4	50	Y1(ans)	1235.25
5	50	Y1(ans)	1203.78
6	200	Y2(ans)	1021.84
7	50	Y1(ans)	987.17
8	50	Y1(ans)	951.98
9	200	Y2(ans)	766.26
10	50	Y1(ans)	727.74
11	50	Y1(ans)	688.66
12	200	Y2(ans)	498.99
13	50	Y1(ans)	456.47
14	50	Y1(ans)	413.32
15	200	Y2(ans)	219.52
16	50	Y1(ans)	172.81
17	50	Y1(ans)	125.41
18	200	Y2(ans)	-72.71

E. At 7 months balance is $987.17 **F.** Balance paid at 18 months.

7. Recursive Solution:

Use this function: $\left(\left(\text{Int}\frac{n}{3}\right)=\frac{n}{3}\right)x\left(1.015a_n-200\right)+\left(\left(\text{Int}\frac{n}{3}\right)\neq\frac{n}{3}\right)x\left(1.015a_n-50\right)$

Classic



Note the value of nMin=0.

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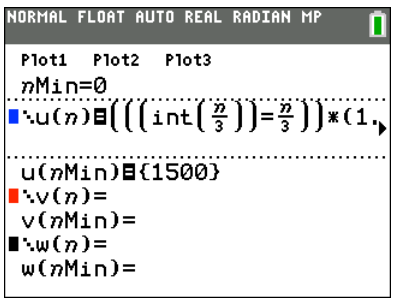
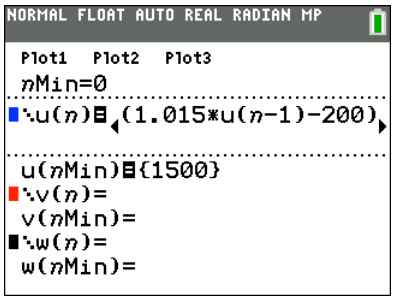
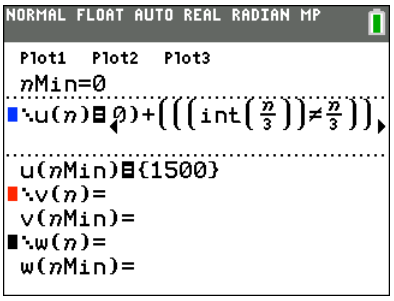
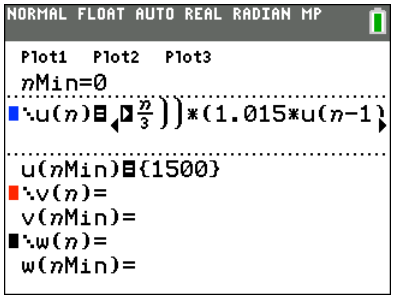
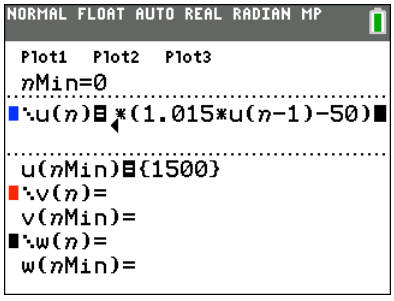
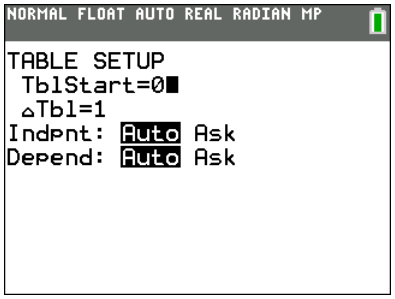


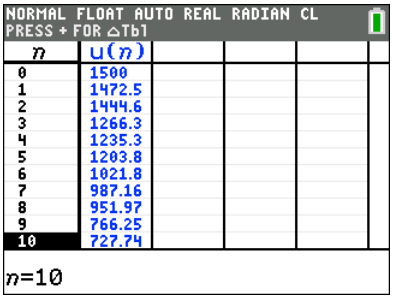


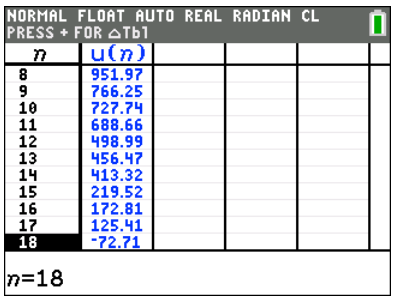


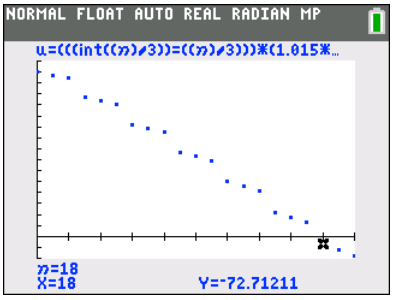


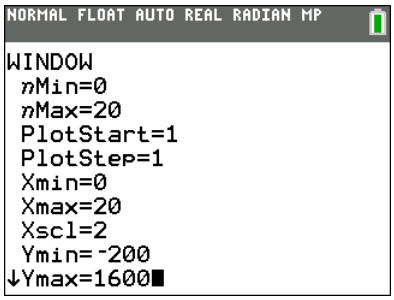


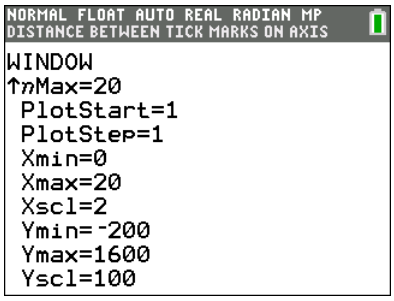




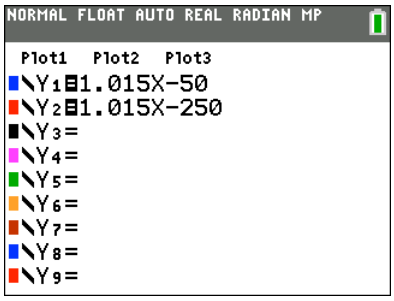


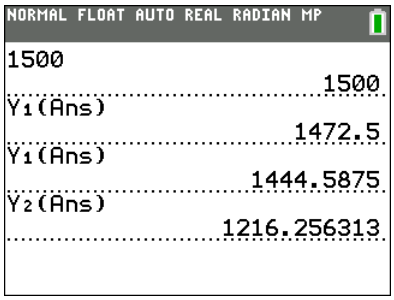


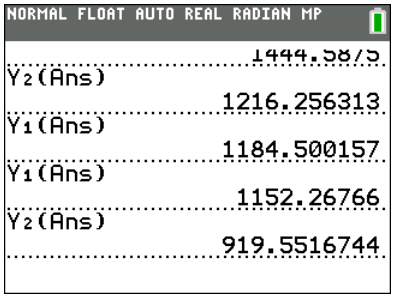




8. Composition Solution:





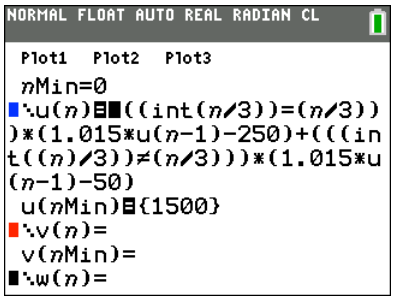


Month	Pay Amt	Formula	Balance
0	-	-	1500
1	50	Y1(ans)	1472.5
2	50	Y1(ans)	1444.59
3	250	Y2(ans)	1216.26
4	50	Y1(ans)	1184.5
5	50	Y1(ans)	1152.27
6	250	Y2(ans)	919.55
7	50	Y1(ans)	883.34
8	50	Y1(ans)	846.6
9	250	Y2(ans)	609.29
10	50	Y1(ans)	568.43
11	50	Y1(ans)	526.96
12	250	Y2(ans)	284.86
13	50	Y1(ans)	239.14
14	50	Y1(ans)	192.72
15	250	Y2(ans)	-54.39

8. Recursive Solution:

Use this function: $\left(\left(\text{Int}\frac{n}{3}\right)=\frac{n}{3}\right)x\left(1.015a_n-250\right)+\left(\left(\text{Int}\frac{n}{3}\right)\neq\frac{n}{3}\right)x\left(1.015a_n-50\right)$

Classic



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