Advanced Math

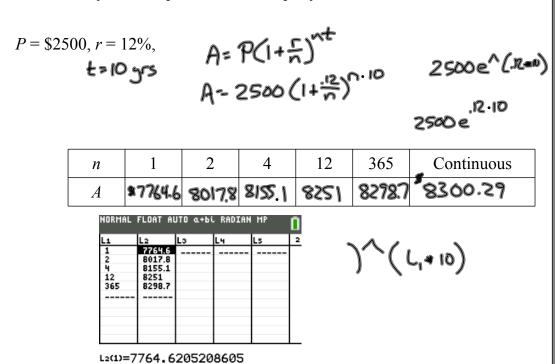
3-1

(Day 2)

Compound Interest and Exponential Growth/Decay

Continuously Compounded Interest Formula - A=Pert

47) Completed the table to determine the balance A for P dollars invested at rate r for t years compounded n times per year.



51) Completed the table to determine the amount of money P that should be invested at rate r to produce a final balance of \$100,000 in t years.

t	1	10	20	30	40	50
P						

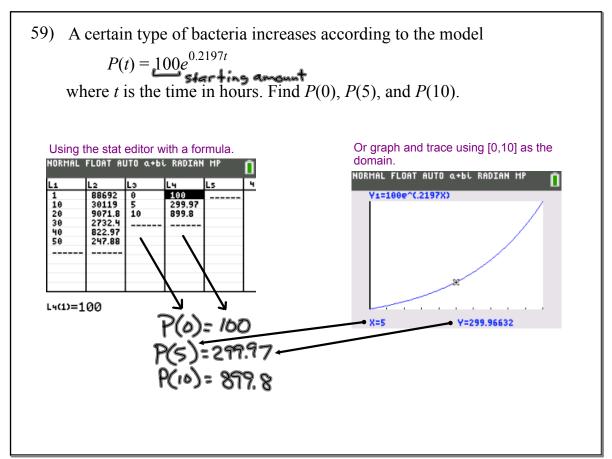
$$r = 12\%$$
, compounded continuously
$$A = Pe^{rt}$$

$$100000 = Pe^{rt}$$

D
- [

1 88692 10 30119	
10 30119	
20 9071.8	
30 2732.4	
40 822.97	
50 247.88	

L2(1)=88692.043671714



Assignment:
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 50, 52,
 53-64 all