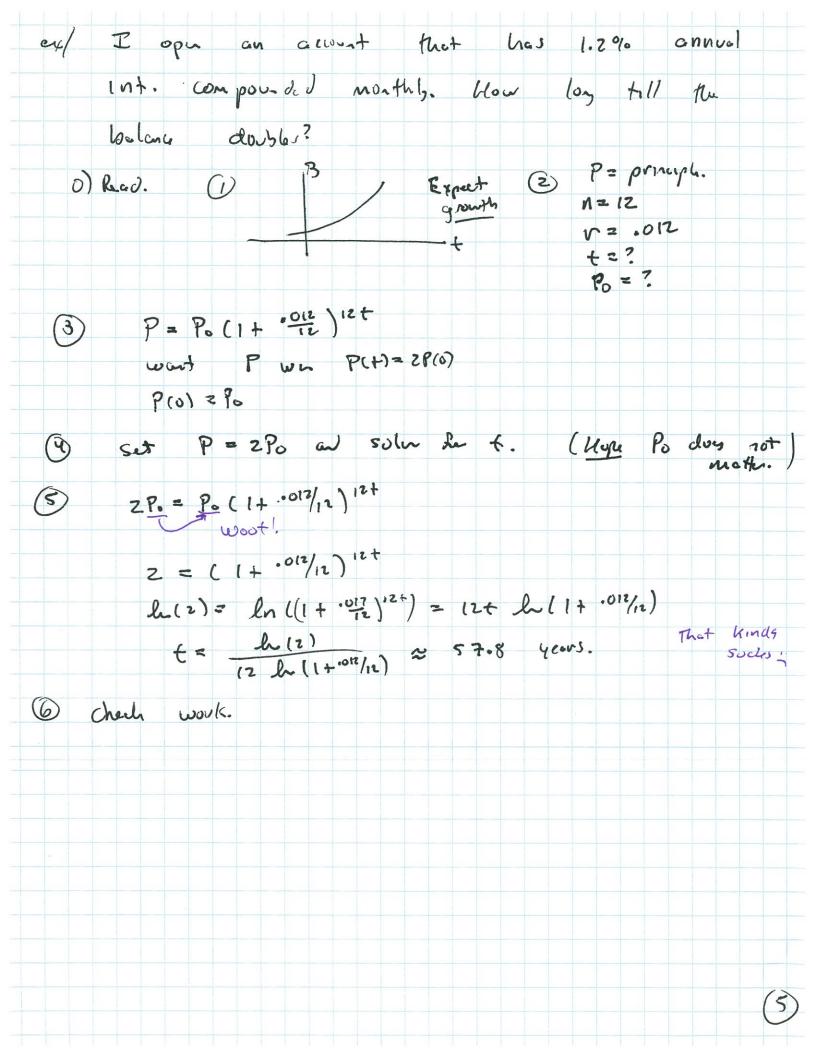


```
2x= (eh(x) /h(2)/h(5)
       2X = (X) & (2) / & (5)
         2 = x h(2)/h(5) -1
       lu(2) = lu { x lu(2) (lu(3) -1)
        lu(2) = ( lu(2)/lu(5) -1) lu(x)
        lu(x) 3 lu(2)/lu(5)-1
             x = e(le(2))/(le(2)/le(1)-1)
      14.70 = 33.178 we need a polate cleanson.

404- Just les it all.
ex
       lu((4. 7x) = lu(33.17x)
         h_(14) + h(7x) = h(33) + h(17x)
          hully) + x hul7) = hul33) + (x) hul4)
          x h(2)- x h(12) = h(33) - h(14)
             \times \left[ h(7) - h(17) \right] = h(33) - h(14)
```



ex/ I want to open an account and have the principle triple is 50 years. The ist. will be compounded weekly. What should the lut. Note be?

D) head i)

- (growth)

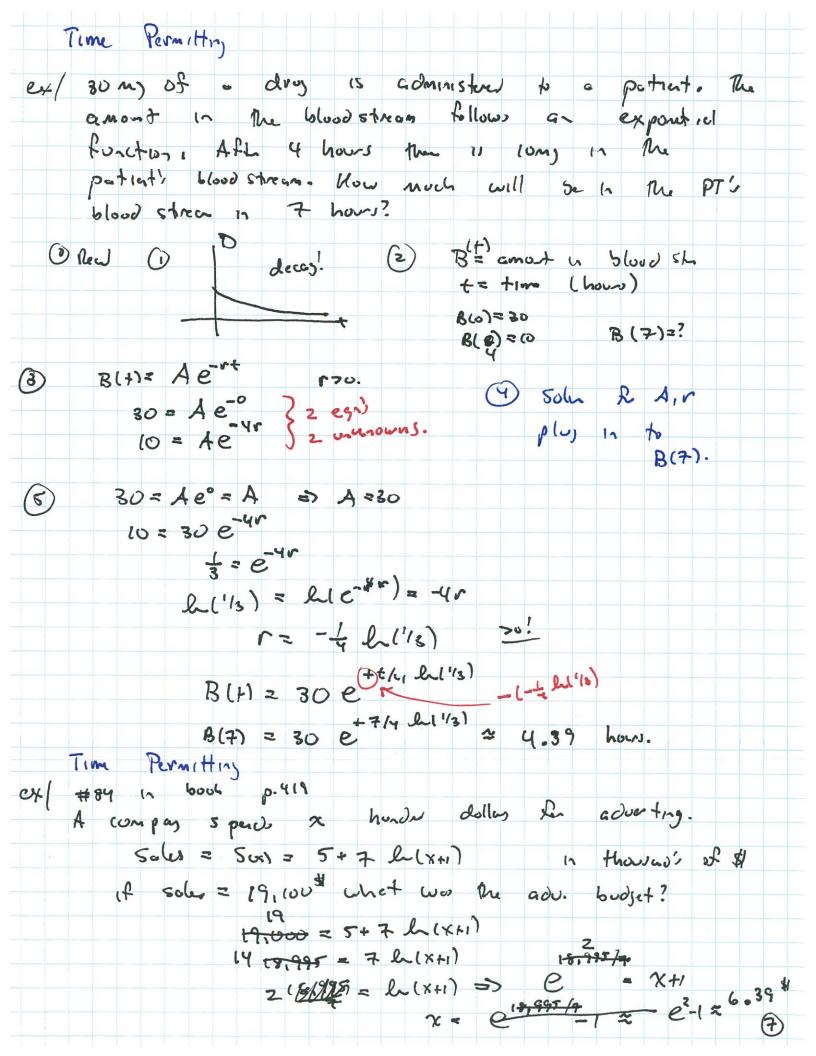
 (2) B = below

 Bu= inito

 r=?

 M=F7 Bo= inital bolone
- B= Bo (1+ 1/52) 52.50 B(0) = 8. B(50) = 280.
- (4) solu B(x)=880
- 280 = Bo (1+ 5/22) SZ-50 3 2= (1+1/50) 52-50

lue = a(1+ 1/21) = 52.50 lu(1+ 1/21) 50.52 h(3)= h(1+5/52) Ex.25 \$ = 1+0/25 r= r2[10 e -1] & .6220 or z.20%.



ex/ Time permitting Sam(x) = lul7x+1)-5 det. the inv. of som. g= lu(7x+1)-5 y+5 = h(7x+1) 08+5 = 7x+1 x = et = Diane (y) Doman of Som(x) $F(-\frac{1}{4}, \infty)$ R Dom of $Dim^{2}(-\omega, \infty)$ $F(-\frac{1}{4}, \infty)$ $F(-\frac{1}{4}, \infty)$ $F(-\frac{1}{4}, \infty)$ ex/ Time Pernitty

Tamm, (x) = e +3 det. the nu. J = e +3 y-3 = e 27+1 lu(y-3) = 2x+1 3 x = lu(y-3)-1 don. of Tary: (-00,00) don. 10: (3,00) ran of Tame, ! (3,00) | ray of inv: (-0,00) ex/ John 3= 10 B x. 3(1+4e-1x) = 10 1+4e-ex = 10/3 4e-ex = 10/3-1= 7/3 e-27 = 7/12 lu(e-1x) = lu(7/12) -2x = l_(7/10) X = - 1 L17/12) 2 . 270 (8)