QUIZ HAT NOON mission 1M= 100 T(0)= 20 = T(1)=22 E dT -- K(T-100) Jdl T-100 = KJT 20=100 +(e/10) 20 = 100 + C In(T-100)= A++CI (=-80 T = 100 +ce Kt 55=100-8006 KI) T=100-80 e 1C+ 100-27 80 EK 90=100-80e-025,318t K= -0-02531 80 = e -:025318t 98=100-80e-,02571, f= 82 sec 100-98 -- 0257184 80 =e Atome taken to €= 145-75ec realm # + the torream 900

(Euz 4) Noor moterte 11 15 dA = Rm = Rout A(0) = -1da = 6(-5) -4(A) = 3-4A 1 dA = 6+ A= -75-.65e. A= -75 16 au In (3-4A) = ++C 100+(6-4)-+=901 rotal In(3-4A) =-4+C 160901 3-4A= Ke-4t Afor (16 of salt = 120 16 A-3 + Ke-4+ 100+2+=200 11= 3 ct/ (E=50 minutes) K=-,65 (150 16 of sat A=3,+=65e contines on next page 
$$\frac{2X}{3} = \frac{2}{160-x}$$

$$\frac{2X}{3+} = \frac{2}{$$

centrols

(802 4) Moustufer) )- 10 ln (80-x) + 90 ln (150-x) = x+t - In (60-X) + In (150-x) = K++( 11/20-x = K++C 150-x - (ext -) x (0)=0 7 150 = ( -) 3/2 = ( 150-10 - 52 e HCS X(5)=10 140 35 = K (5) 111(1-12) K= .02267

Chiz V 150 - X 80 - X = 52e -02267t How much i) formed in 20 minutes ? 150-x = N 150-60 N= X(1-N) X= 150-60 N 150-X=60N-NX N= 3-93413)803

Que in only ye up to 60 9

And more than only ye up to 60 9

For C.

How minds Cheneral A on & remain
offer a long time?
-40
-409 A + 209 B > 809 C

09 A 309 B > remaining