## < Today

.

MAME SOFCAR A KATHERING TO CHARTIMENT: CHEMICATE ATRIL NO: 18/ENGO1/023 COURSE COOF: ENGOS 2	
Quiz	
Cautain no!	\ t. ?
Temp Initial = 10°C	T= 24.9 91 0.051
= T=20°C @ 5mil	T= 24.9 at t.? 24.9 = 35 e 0.05t -25 49.9 = 35.6
7 1280 0	49-9 = 350
( Tadra 225°C	POOSE = 41-7/35
Giat/de & (T-TA)	8.08 = 41.7/35 e8.08 = (n(1.426)
To - Actual Temp	0.056 = 0.355
mayat = k(T-Ta)	
5 dyde + (7.25)	to 1-1 minutes
SCIT as	
dt/61-25) = k dt	
Integrating both sides	
In(T-25) =(K+c	
1n(T-25) = (K + C	
T-25 = 6 26	
where e=A	
T-25=ACEX.	
To Aek-25	
at Initial Condition	
t=0 T210°C	
10 = Ae - 25	
A = 35	
- T= 35 etk - 25	
at to any ta Smons	
20° 2 35 € - 25	
45 = 35e	
45 = 35e e = 45/35	
5k = ln(45/35)	
K= 0.25 = 0.05	
5	
6.00	
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