2099, AUM 308

1) Ng= Notate = 4.5:20 (c)	(8) circular (a)
2) 0x-706+ = nev = (4)(25)	
50m (e)	19) My sind - judy cost =0
2) (a) (d) (d)	
= M2 M2 (C)	20) [V cosa- FV = Mav = P
5)(b) 6) 129d	= (2000/5)(37-)(20-02)
15/(b) () 1/(= /2(10)(02) = 2 (6)	= 60,000 w (e)
F-A	21) 72 = MM M42
7) OP=0= Ft = 14.673	10 - Mp
	Can shifty to the left
The fiel = 6N (b)V	*
	2 de la celv
8) DO-Wolt 2 xe2	
= - (3)(4) = 3.8 = 24 (d) V	12) 25-ma= my-100 = men dt
9) 7=22/7 = 22 2mg	Strift Till
· ·	
= 1.26 = 0.49 (0)	m mg-4v
(0) Umin (0)	(dt - f dr (a) / my ur
(0) Umin (e) V	m my un
French E, Tu (e)	Js 5
(2) I, I (C)	23) 25-1 My-7=0 (e)
13) (c)e (u) D NEMONO	24) S.F. = T = Ma
L Etzma in Sut	ac In (d) b
(d)	25) I mant la Live
15) (2)	Cil Congression of the congressi
(b) dy 8 (C)	KUE is consend (b) C
A A	26) W's = m2, 5 = m3, 4 5 m2, 5
12) de 28t dy 26t	
A	(e) J
de 2 Awsonie Awword (a)	
In = An swind In - Answer	

27) MU = Ft J = FX = DP Ny = Ft = 0.5 M = 2 = 2 = 2 = 3 M = 3 = 3 M = 32) fy=0 pr-0 (e) V $v_{2} = \frac{1}{\sqrt{2}} v_{0}$ $v_{3} = \frac{1}{\sqrt{2}} v_{0}$ M= 9-2 (b) V ME Votgt

ty = Vosure - Vosure

(e) 30) F7= mv mv2. 1 = 1 ment D- 3/11 (6) 1- var f = I 47 31) Myli = 1 mr,2 1 1/2 - V 23 h 1 1/4 - 29 h + 1/49 h = = 1 1/2 1 2 = 2(29h V2=12. Jah (0)

2009 ELM 9-36-9:44 1:32 - 2:09 1) a) at x=-0.50m/ DE P= VIM V7-4.07 E- QE U. + WE + 1 - 4.0(-0.50m)2+1 m v2 2F-dp - ma U- - de - - dx dt =40(-0.50-)~ (-1, (3.04) (2043) = 1 + 6 3 = 7.07 +1 - y dp - 2 Jan. d (V7-4.2727) b) when ut=0, U=7.0 J &1 Y-07-27.0 1 | 72= 7.0 = V52, -42 at x=0.60m, N=1.2673 x= + 17 m a= (1.26 = 5) \(\sigma = 4(0.60 m) V (3.9 m) \ 7-4.0 (0.40m)2 = (1.32 m, -1.32 m lal= 1.05 % ncm) c) at 7=0.60m, U=4.0(0.60m) e) $1 = \frac{1}{2} m v^2 = 7 - 1.44 J = 5.56 J$ $1 = \frac{1}{2} k = \frac{1}{2} (5.56)$ $0 = \frac{1}{2} k = \frac{1}{2} (5.56)$ 12(7) d) & Zt=de - ma a= dp 1

K=7-V=7-4x2 UNSX

P=NV= \2mke = \2m(7-4.0 x2)

and I de (THEN grange)

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