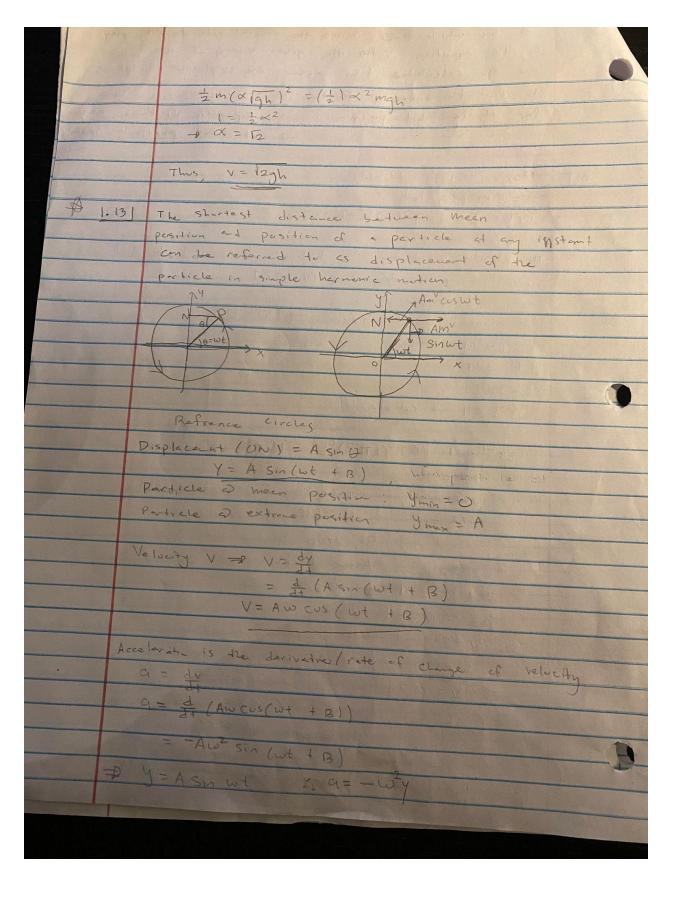
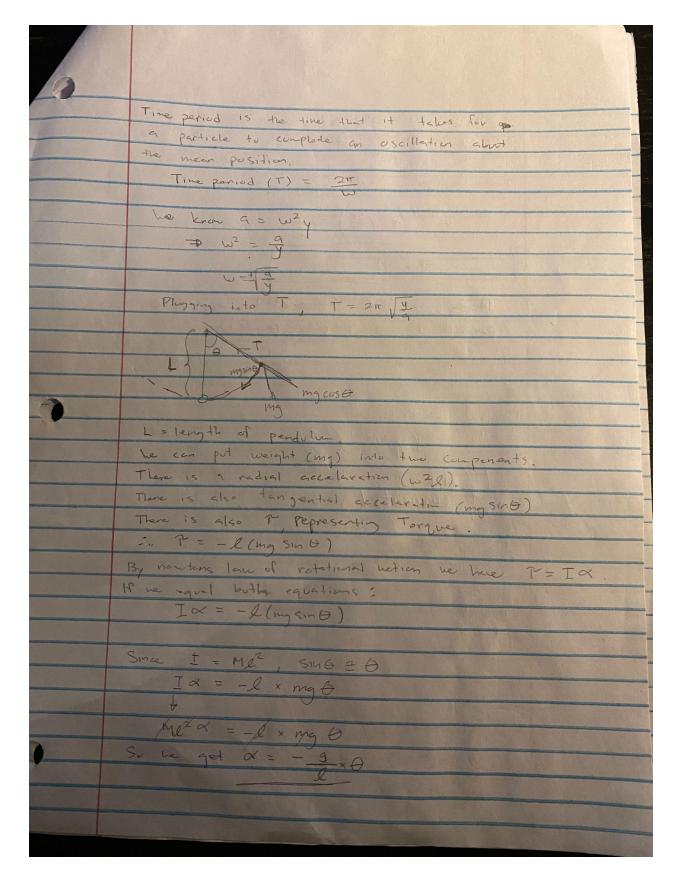


	b) Redius of the surface shock were is propertional
	1. Sir donsite promise the time
	to air donsity, energy released + time  PR= & E <sup>a</sup> pbt <sup>c</sup> ER7 = CXI EE7 <sup>a</sup> Ep7 <sup>b</sup> Et7 <sup>c</sup>
	ERT = CAT EET EPT ETT
	d tak, t
	L = [ML2+2] [ML3] 6 +C
	L= 1 × (M2+2) (ME3) TC = ML T
	L= 1 x (ML2 T2) 9 (ML3) T = M L
	9+6=0
	24-36=1
	-2a+c = 0
	7 -24 -26 50
	7) -24 -26 BO 1 + 26 - 36 -21 1 -56 = 10
	-56=10
	b=-1/5
	-2(1/5) + C - C
	a + -1/5 = 0 -2/6 + c=0
	q = 45 C= 2/5
	R = dt 15 p-1/5 +2/5
	$R = \alpha \left(\frac{E + 2}{P}\right)^{1/5} \rightarrow R = \alpha \left(\frac{E}{P}\right)^{1/5} + \frac{2}{5}$
	(P)
()	- The shockware propagation depends on the
-)	
	particular hadium / density of the sir.
	- The radiation of the energy is hologenous.
	This creates the spherical surface in all directions
	of the explosion
11	The Shockware deprends on the energy. Contimed.
	radiated in the explosion
	The state of the s

-8	It is important to understand the supersonic compression
	of air, which nakes sense the crucial rule density plays in the equation. With the given energy of the bound
0	and the calculated time after the explosion helps us
	to find the radius. Further we can determine how
	for it can hit people in a specific distance gury
	and at what particular speed
(N. 1)	rate
941	Derive V= 129h (1.56)
	V= xmg tbgchd  [V] = [x] [m] [tt] [g] [th] d
	CAZ - ENZ [W] OLJ CAZ
	The velocity v of a moving body is defined < 5 the distinct
	wer the p V= d/t = [V] = LT"
	9 = change of velocity/the -> [9]= LT-2
	EmI = M
	C 63 = T
	Ehl=L
	[d]=1 - constant
	1-1 ( "49-67)(\$) 4 6 1-2 (14)
	LT-1 = 1. M976(LT-2)°Ld = M9762c, C+d
	9=0 b=2c=-1 - ha have 3 easystiens 11
	-0.00
	veriables
	So, drop h ad keep t.
	Assne d=0
	C+O=1-9 C=1
	b-2(n=-1
	6-2=-1 or if we drop t + keep h,
<u> </u>	b=1
	→ V= xgt 0-2c=1 → C=1/2
2	1/2+d=1-9 d=1/2
	he get V= x 19h
F	row physical law of energy conservation, mgh = (1/2) my 2
	mgh = (12) my =





he have $G = -W^2y$ and $\mathcal{A} = -\frac{9}{2} \times \Theta$ .	
Thus we get, $\omega^2 = \frac{9}{2}$	
$\omega \cdot \left(\frac{2\pi}{\tau}\right)^2 = \frac{9}{\theta}$	
$\exists i. \mid \overline{1} = 2\pi \mid \underline{l}$	
Hence, he have represented the time period of a simple pendelum.	
pariod of a simple pende hum.	
1 agranda Problem: 199	
Comments /	
The state of the s	