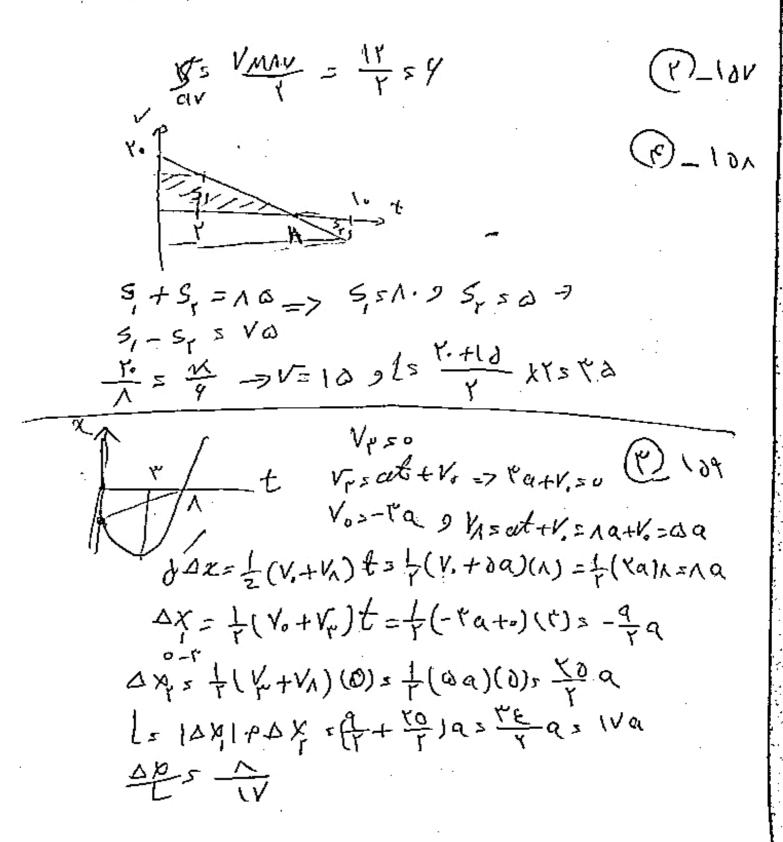
ما لی مام للی رزمامی ۱۰۰۰ ۱

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C. ta+V. = 0 → V. = - € α /\_\_\_\_\_\_t △X= + (1.+1)ち>-1= + (1 Vysait+V.  $\Delta \chi_{F} \frac{1}{r} \left( V_{\mu} + V_{E} \right) (1)$  $V_{rs}$  ta - ta = - a -1= - (-a)(1)->(a= T)  $\Delta X = \frac{1}{7} (V, + \frac{1}{7} (K)) = \frac{1}{7} (-7 - \Lambda) (K)$ vr=-K o Va=K V₀ ≈ −∧ L= 10x1+ px1=+ 10kel = 1V Sav= L= 1V (r)\_141 K= VO·M/m @\_14r AN, +(V+V.)+ F- frisma 1 # - 11 vovi- da -> q=1 DX = fat's fluctions f-fresman = ar= Augs - T y - V 's Koy A K =7 Vsat-t/o - +=+(-+)0 kg -> 0 kg s((m) (= ++1= \* (m) => Fr-fisla->lr-l=40 (P-14" F-mg=ma F-mg=ma K(Ly-4)510 Create By Ez Scanner

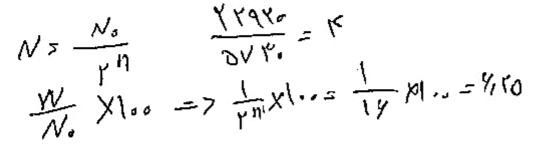
P-14E Y= K. m gr=? 2-1 VFIA 9rs-Vr = 10. Tr = 2 Tr = 2 Tr = 2 Tr Dr= KY sin = XXIII Sinto = I. TVP Qu = 1. RT 9 VATIVE = YVE TS THY x = 1/2 Cos # t > T= 1 = 1 = C (D-190 4t= 10 - 1, =Y ひち=ドキー みちって Sav > L = KA = KNT = T ·トセラ 中 ドー ーア· ーラんち ド· s., ド ()\_141 A= += + = + = + = + = + ムセンション・キー いくそいくそ 1)\$ -141 ENJOSK St Q = K در رس مر الراران عن = ب + H = Q = H + H = Q A Ats ET STO = ET - STO A  $E = \frac{1}{7} m w^{T} A^{T} = \frac{1}{7} D \times \overline{L}^{T} \times (\frac{T}{6})^{T} (F \times \overline{L})^{T} = \frac{1}{7} D$ Create By Ez Scanner

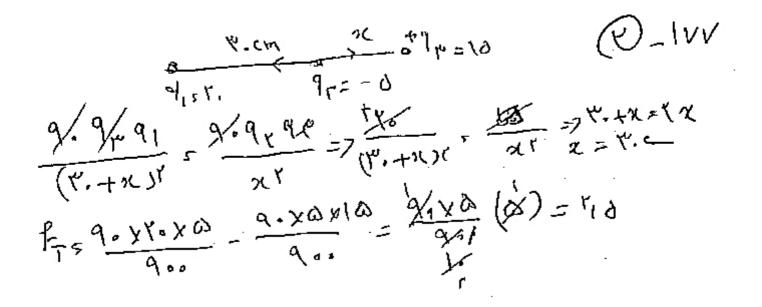
P- 14A By - By st. log Ir  $9Y - Y_N = 1 \cdot \log \frac{I_r}{I} \rightarrow 4E = 1 \cdot \log \frac{I_r}{I}$  $\log \frac{1}{1} = 9/6 = V - (Y \times 1^{p}) = \log 1^{v} - 1 \log 1^{v}$ loy Ir sly I' - ley I' - log I - sly I' It = 1,0x1. S Fi+F= "Vo->F+TFistvo->Fista 149 fist JVSYFLS 100 Vs VE -> P= uv = m v = x1x1. (1000)-160  $\frac{nr}{n_1} = \frac{\sin \theta_1}{\sin \theta_r} \le \frac{\sqrt{1}}{\sqrt{r}} = \frac{\lambda r}{\lambda r}$ 1-1V0 00 21= 1- 1 Q hr ev =14  $\frac{3}{5}\frac{1}{5}\frac{1}{10}\frac{1}{10}=\frac{1}{1}\frac{1}{1}=\frac{1}{1}\frac{1}{1}$  $\frac{\lambda r}{\lambda_1} = \frac{s_{in} ev}{s_{in} \delta t} = 7 \frac{\lambda r}{r} = \frac{r}{\epsilon} \lambda_1 \Theta$ → 入下中, ア= テーテーティント.

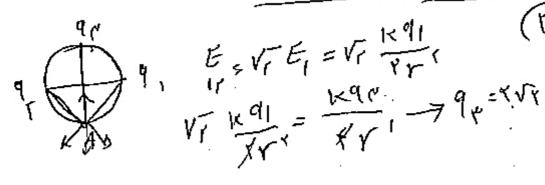
41 MISINO = nr Sin Or (- 1VA Mr= Vr SINE &= VY Sinor 1259 ガロピュニショウ=シ  $\frac{V_1}{V_1} = \frac{\sin\theta_1}{\sin\theta_1} = \frac{\nabla v_1}{V_1} = \frac{V_1}{\frac{1}{2}}$ Coso = 10rr V7 = "x1 . Vr AN=VE =t= ANC - 11 =VENS AB\_t.cm ='1" F. 5 - > >1.10 UIVE KERP-W, E= EIKOPI-19 - HF K, hF-hF Ks 4 mV -> Vs ( 1K (K)\_1Vr  $\frac{1}{\lambda^{s}} R_{14} \left( \frac{1}{\mu^{s}} - \frac{1}{\mu^{r}} \right) s \frac{1}{1} \left( \frac{1}{\epsilon} - \frac{1}{q} \right) = \frac{1}{1} \left( \frac{x}{\mu^{s}} \right) \frac{Q_{-1} v_{f}}{\mu^{s}}$ Am= - VY.nm VY.- E.o.= TY. نزمش () Amin= E = Coonm D-IVa Ens- ER = - 11/4 5-11/4/14/19  $\Delta E = E_{f} - E_{f} = E_{R} \left( \frac{1}{1} - \frac{1}{K} \right) = \frac{1}{2} y W \times M.$ 

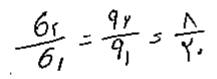
1-1-14

(P-1VA









(P21V9

(m) 11.  $G = \frac{q}{A} = \frac{q}{\epsilon_{\text{AYY}}} = \frac{\Lambda}{\epsilon_{\text{YY}} \kappa_{\text{YY}} \kappa_{\text{Y$ 9 A= 9 B: 9 A+9B = Y.- E = AME , 6A = A - T = 1 Create By Et scaline = (H - A) NI = Eas

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 $\Delta U = \frac{1}{rc} \left( q_{r}' - q_{i}' \right) = 7 \quad \epsilon_{i0} = \frac{1}{Y_{NONI,Y}} \left( \left( \left( \frac{1}{1 + r} \right)' - q_{i}' \right) \right) \right)^{1}$   $F \otimes \chi_{1,Y} = \left( q_{r}' + yq + q - q_{i}' \right) \chi_{1,Y}^{2}$  (3) $1^{\circ}Y = Y q_{-} = q = 4$ 

( ) - \ A M VFS EFTIF => 10= 4-1-> Is.10 RIVERSER 1/07= 0 FR+Y=1.  $I = I_{1+}I_{7,9}I_{1} = CI_{7,9}I = \Delta I_{7,9}I_{1} = \frac{\xi}{\lambda}I$ P=RITS 1.X & = 1,4 (W) 

(t) = lasE. Pr= 9Pr -> Rr Ir = 4 I, Rr YINAT R+XI = Y (F) -> Rr= N.2

$$V = E - IV$$

$$V_{1} = E - I_{1}V = V_{1} = E - T_{1}V$$

$$R_{T} = \frac{R_{1} \times R_{1}}{R_{1} + R_{r}}$$

$$I = \frac{E}{R_{T} + V}$$

$$Q \vee B = ma = 2a = \frac{Q \vee B}{m} = 2B = \frac{ma}{QV}$$

$$B = \frac{419 \times N_{1}V}{N \times E \times 10} = 114V \times 10^{-E} T = 14VR$$

$$R = \frac{1}{2} \frac{V}{N} = 114V \times 10^{-E} T = 14VR$$

$$R = \frac{1}{2} \frac{V}{N} = 114V \times 10^{-E} T = 114VR$$

$$R = \frac{1}{2} \frac{V}{R_{1}} = 114V \times 10^{-E} T = 114VR$$

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$$R = \frac{1}{2} \frac{V}{R_{1}} = \frac{1}{$$

U-191 B.JUNI LASTLB  $\frac{1}{L}, \frac{1}{L}, \frac$ BA = NA LB =1 W = - mgh = Y. XI. x lox 400 = - Fi 4 x1. j (F) 19r Er-Ers (Kr+44) - (14,+41) = (mv+1) + mv 9, T. 1.1871P P. + Prhy=Pg+Phy (-14" P. P. + 1000 ×9 = Pg + 4000 Pg - P. = 4000 P1 = P. + Phg => Pr - P1 = p(h1-h, ) = (-19E Prs P. + phrg 4000 = Pxylox1. P5 - 100 = 6000 P. = P. + phg = P. = 1000 - K000x D. XI. P.= 9x KP

12\_190 Q>mlf+mc20 Ops IND+14 -> 0=1. = "X X \* \* 4000 + 1/2 X EX . . . X X. = V 24. j (P\_ 199 Ha KADO  $k_{5} \quad \frac{T_{L}}{T_{H} - T_{h}} = \frac{r_{00}}{\epsilon_{...}r_{...}} = r \quad (\mathcal{D}_{-19V})$ PV > R ROT (1)-190  $\frac{P_i V_i}{T_i} = \frac{P_i V_r}{T_r}$ PISP. + Phy 5001 +100 1-199 Prsp.+phog = 1.+1.= YXI.  $\frac{10 \times 11.5 \times$ منوية (٣) من ٢٥ لك ·91VV4JTE9. مونو باسر Create By Ez Scanner