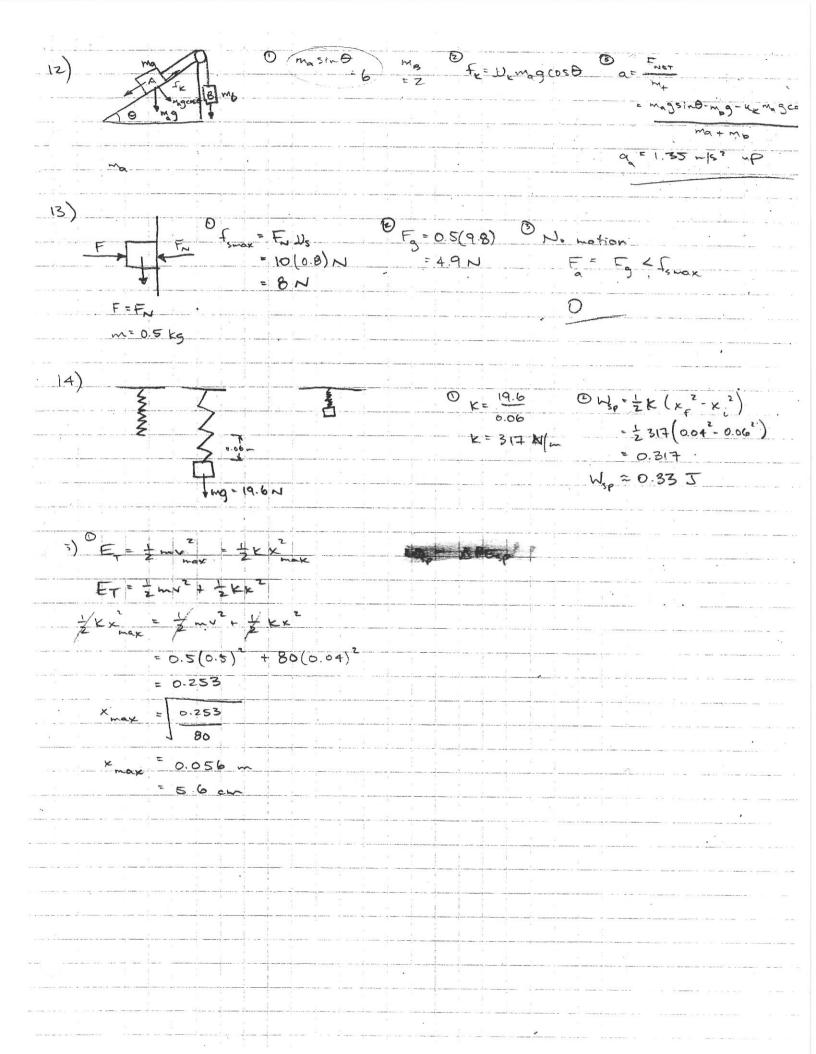
$0 \quad t = \frac{10}{2} + \left(\frac{-10}{-10}\right) = 153.$ Final Exam - Review Dec 9/11: F= 0.5 t+1.0 £ ~ 2. [W] = [F][d] = [M][H][L] = 2.02 +0.49-1.0km W = F.d = 2.0 (0.5) - 1.0 (1.0) 0 J. 4= Voyt + tayt = = Voxt + tax

t= 24

Vox = x = 2 (0.01) Voy=0 ay= 9.8 n/62 V. = 7 y = 0.01m = 492.72 m/s t=0.04523 Vox = 443 -/s 4=10 × 10 m Jiooz +502 0 V= 111 B MS V2 = 11 m/s = 200 +120



$$P_{c} = P_{c}$$

$$O = m_{XA} + m_{B}V_{B}$$

$$V_{A} = -\frac{m_{D}}{m_{A}}V_{D}$$

$$V_{A} = -\frac{70}{m_{A}}(0.5)$$

$$= \frac{4 \text{ N/s}}{5 \text{ Eg}}$$

$$2 \propto \frac{2(\theta - \theta_0) - \omega_0 t}{t^2}$$

$$= 2 \left[(31.42) - (2)(2) \right]$$

$$\alpha = 13.7 \cdot rad |s^2|$$

$$\alpha = 4 \text{ rad/s}$$

$$\alpha_{T} = 0.2 \text{ m}$$

$$\alpha_{T} = 1.2 \text{ m/s}^{2}$$

$$\begin{array}{l}
0 & 2 & 2 & 2 & 2 & 2 \\
\alpha_{T}^{2} = \alpha_{r}^{2} + \alpha_{r}^{2} & 2 & 2 & 2 \\
\alpha_{T}^{2} = \frac{V^{4}}{r^{2}} + \alpha_{r}^{2} & 2 & 2 & 2 \\
V = \frac{1}{3} \left(\alpha_{T}^{2} - \alpha_{r}^{2}\right)^{2} & 2 & 2 & 2 \\
V = 0.42 \text{ m/s}
\end{array}$$

$$0 = 4(0.2)$$

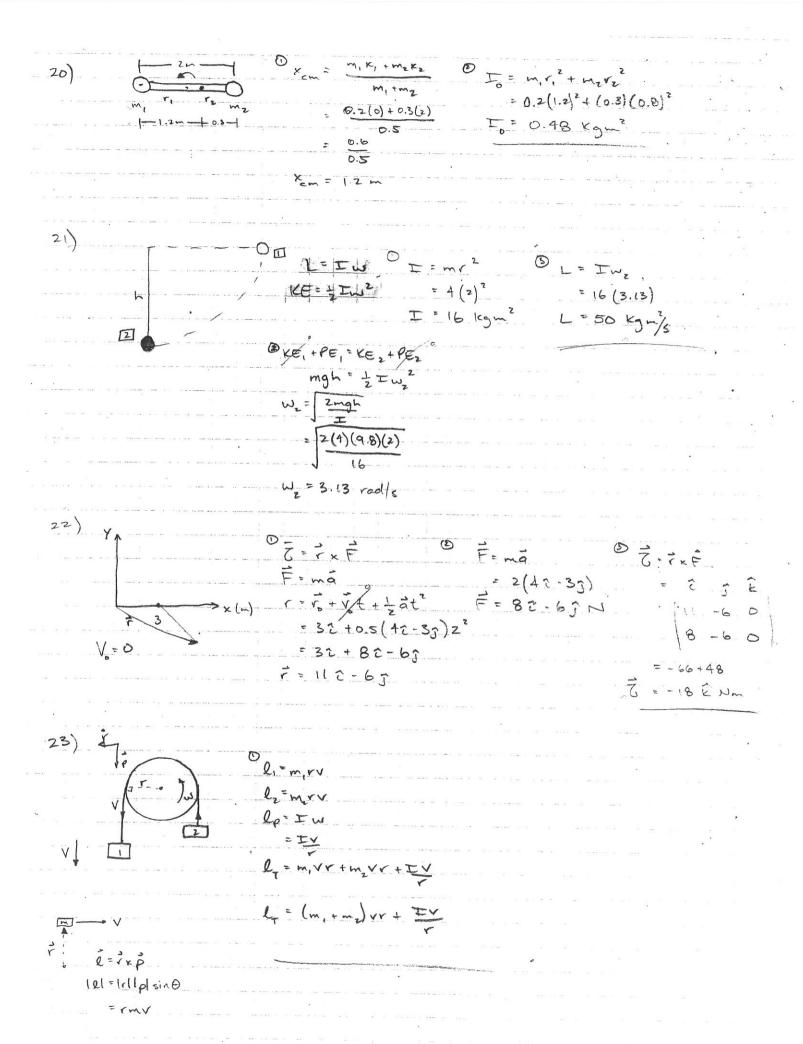
$$= 0.8 \text{ m/c}^{2}$$

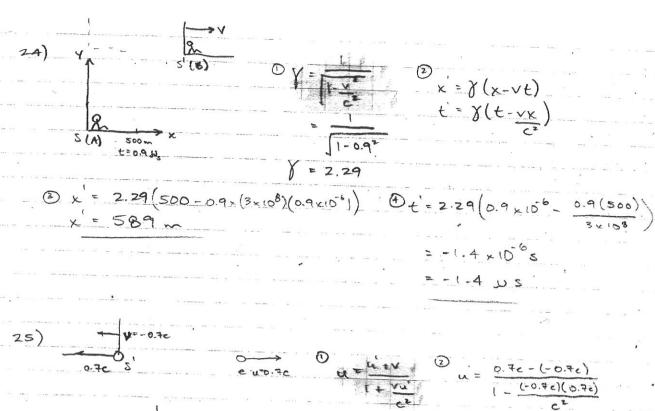
$$0 = 1.2 \text{ m/s}^{2}$$

$$0 = 0.89$$

$$V = \sqrt{0.89(0.2)}$$

$$V = 0.42 \text{ m/s}$$





0.7c S'e w 0.7c V = 0.7c - (-0.7c) V = 0.7c - (-0.7c) V = 0.7c - (-0.7c) V = 0.7c V

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