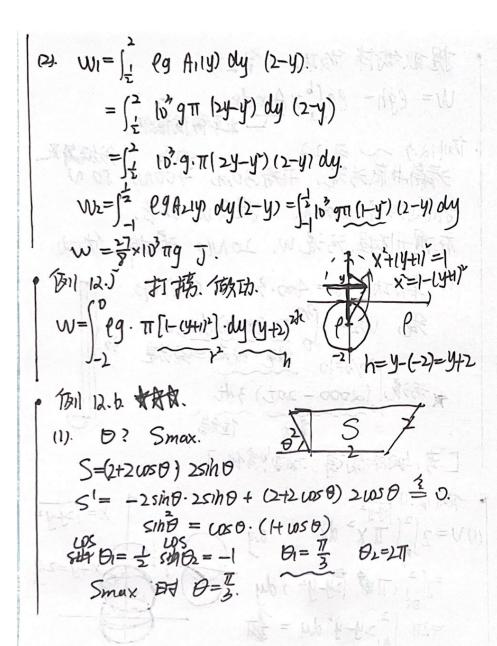
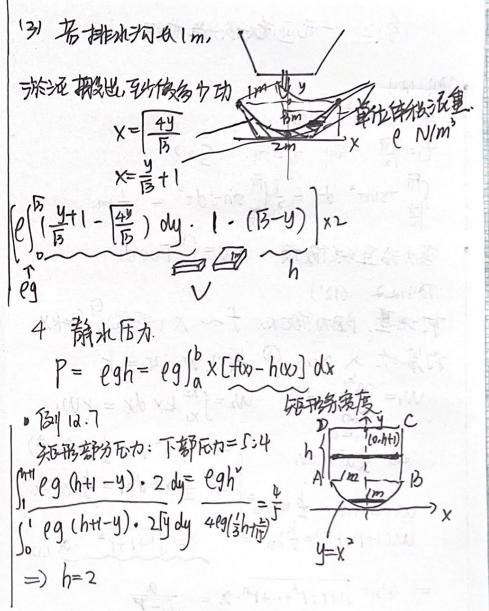
多12. 一元函数形分学应用

134. 12.1 v= tsint m/s. $\int_{\overline{\mu}}^{\overline{m}} t sint^{2} dt = \frac{1}{2} \int_{\overline{\mu}}^{\overline{m}} sint^{2} dt^{2} = \frac{1}{2} m.$ 变为治直线版功 W=∫a Fixidx 何儿之 (12') 打地基,阳为做功,于一X(深度)。于一大X 打岩水入 aon, @ 每次W. it=r. $W_1 = \int_{-\infty}^{2^{k_1}} kx \, dx \qquad W_2 = \int_{k_1}^{k_2} kx \, dx = r W_1$ $\Rightarrow \frac{k\alpha^2 - w_1}{2\alpha^2 + w_2} = \frac{k\alpha^2 + w_2}{2\alpha^2 + w_2} = \frac{k(x^2 - \alpha^2)}{2\alpha^2 + w_2}$ $W_1 + W_2 + W_3 = \sum_{i=1}^{k} (X_i^2 u^i) r = \sum_{i=1}^{k} (X_i^2 - X_i^2)$ $W_1(1+r+r^2) = \frac{k}{2} \chi_3^2 \Rightarrow \chi_3 = \int 1+r+r^2 \cdot \Omega_1$ $\Rightarrow \times_n = \sqrt{1 + r^2 + \dots + r^n} \cdot \Lambda = \frac{\Lambda}{17 - r}$

提取物件的功. (含2). W= lgh- lgsaxAindx.
— 北平越南南线. 例12.7 ~ 习12.2 清静从底污泥,井海、30m, 400N, 50 N 机处污泥 2000 N. , 提出 U. 3mb. 在提升进程.污泥以 20N/s 满捧, 你动 (1) \$h功: Wi=400.30 (机). 绳 W2= \$\frac{30}{0} \frac{50(30-x) dx}{\\ \frac{30}{30}} \frac{30}{\\ \frac{30}{30}} [考: 蜘体漏棋, 对刺惨化]





$$\overline{X} = \frac{\int_{0}^{1} x(-\chi^{2}+2\chi+1) d\chi}{\int_{0}^{1} (-\chi^{2}+2\chi+1) d\chi} = \frac{11}{20}$$

