中山大學本科生考试草稿纸如为一33.

警示 《中山大学授予学士学位工作细则》第七条:"考试作弊者不授予学士学位。"

$$\frac{P.95.9.60}{y = \operatorname{cresm} \cdot \frac{1}{\int_{Ht^2}}},$$

$$y = \operatorname{cresm} \cdot \frac{t}{\int_{Ht^2}}.$$

$$y'(t) = \frac{-1}{\sqrt{1 - \frac{1}{\mu t^{2}}}} \cdot \left(\frac{1}{\sqrt{1 + t^{2}}}\right)' = \frac{1}{\sqrt{\frac{t^{2}}{\mu t^{2}}}} \cdot \left(-\frac{1}{2}\right) \cdot \frac{2t}{\sqrt{(\mu t^{2})^{3}}} = \frac{t}{(t | \sqrt{\mu t^{2}})^{2}} = \frac{t}{(t | (\mu t^{2}))}$$

$$y'(t) = \frac{1}{\sqrt{1 - \frac{t^{2}}{\mu t^{2}}}} \cdot \left(\frac{t}{\sqrt{\mu t^{2}}}\right)' = \frac{1}{\sqrt{\frac{1}{\mu t^{2}}}} \cdot \frac{1 \cdot \sqrt{\mu t^{2}} - t \cdot \frac{t}{\sqrt{\mu t^{2}}}}{(\mu t^{2})} = \frac{1}{\mu t^{2}}$$

$$\frac{dy}{dx} = \frac{y'(t)}{x'(t)} = \frac{1}{\frac{t}{t}} = \frac{|t|}{t} = \begin{cases} 1 & t > 0 \\ -1 & t < 0 \end{cases} = \frac{sgnt}{t} = t \neq 0$$

P.95.11 求福园图: 元十十二1 2-点 (16,) 处的线方程5层线方程。 并证明:从精圆的一个过点的稍圆围上行一点的从外发射心艺线点 反射线少定过期间~5-4年点。

$$\frac{2\gamma dx}{a^2} + \frac{2\gamma dy}{b^2} = 0 \Rightarrow \frac{dy}{dx} = -\frac{b^2}{a^2} \cdot \frac{x}{y} \Rightarrow K \left| \alpha_0, \gamma_0 \right| = -\frac{b^2}{a^2} \cdot \frac{x_0}{y_0}$$

$$\frac{1}{2}(x_0, \gamma_0) \cdot 2\beta^2 \hat{\chi} : y - \gamma_0 = -\frac{b^2}{a^2} \cdot \frac{x_0}{y_0} (x - x_0) \Rightarrow \frac{x_0 x}{a^2} + \frac{y_0 y}{b^2} = 1$$

$$\frac{1}{2}(x_0, \gamma_0) \cdot \frac{y_0^2}{a^2} \hat{\chi} : y - \gamma_0 = \frac{a^2}{b^2} \cdot \frac{x_0}{x_0} (x - x_0) \Rightarrow a^2 y_0 x - b^2 x_0 y = (a^2 - b^2) x_0 y_0.$$