$$\frac{9}{5}\pi = \frac{9}{5}\pi$$

$$\cdot \quad (x = 0) = \pi^{30}$$

$$\frac{\partial u}{\partial t} \quad (t=0) = u_{20}$$

$$\frac{\partial u}{\partial t} \qquad (t=0) = 0$$

$$(x = i) = 0$$

$$\int_{\Omega} u^{1} = \frac{3r_{3}}{3\sigma^{3}} = \frac{3\alpha_{3}}{3\sigma^{3}}$$

$$C = (x = 0) = 0$$

$$\frac{\partial u}{\partial t}$$
 $(t=0)=0$

$$u_{2}t = \sum_{n=1}^{\infty} 3^{n} (n\pi x) \left[(5.8in(n\pi t) + (6 \cos(n\pi t)) \right]$$

$$\frac{\partial u_{2}t}{\partial t} (t = 0) = 0$$

$$\frac{\partial u_2 t}{\partial t} = \frac{\infty}{2} sin(n\pi sc) \cdot n \cdot \pi \left[c_5 cos(n\pi t) - c_6 sin(n\pi t) \right]$$

$$\frac{8}{2} = \frac{8}{2} \sin(n\pi x) \cdot n\pi \cdot C_5$$

$$- n^{30} (1-\alpha) = \sum_{\infty} (e^{90} u(uu_{\alpha}))$$

$$= \frac{1}{\sqrt{1-3c}} \sin(n\pi s) dsc = \frac{c_6}{2}$$

$$= \frac{1}{30} = -2 u_{30} \cdot \left[\int s(n\pi x) dx - \int s(s(n\pi x)) dx \right]$$