$$P = -(ax+b) \frac{d7}{dx}$$

$$\int_{-\infty}^{\infty} \frac{d\tau}{dx} = \frac{\rho}{ax+b}$$

b)
$$\int_{0}^{T} dT = \int_{0}^{\infty} -\frac{\rho}{axeb}$$

4)
$$dq = -\frac{\partial}{\partial x} \left(\frac{16}{x} \right) dx$$

(A) $dq = -\frac{\partial}{\partial x} \left(\frac{16}{x} \right) dx$

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$$q \not A dx = -k \not A \frac{d^2T}{dx^2} dx$$

$$as T = q + bx^2$$

$$\frac{1}{9} = -45 \times (26)$$
 $\frac{1}{4} = +9 \times 10^{4} \text{ W/m}^{3}$

tota sinodod p

3

= gc at

$$\frac{\partial}{\partial r} k \tau^{2} \frac{\partial T}{\partial r^{2}} = 0$$

$$\frac{T(r)_{+} T(r)_{+}}{T(r)_{+} T(r)_{+}} = \frac{T(r)_{+} T(r)_{+}}{T(r)_{+} T(r)_{+}} = 0$$

$$\frac{\partial}{\partial r} k \tau^{2} \left(\frac{T(r)_{+} T(r)_{+} T(r)_{+}}{T(r)_{+} T(r)_{+}} + \frac{T(r)_{+} T(r)_{+}}{T(r)_{+} T(r)_{+}} \right) = 0$$

$$\frac{\partial}{\partial r} k \tau^{2} \left(\frac{T(r)_{+} T(r)_{+} T(r)_{+}}{T(r)_{+} T(r)_{+}} \right) = 0$$

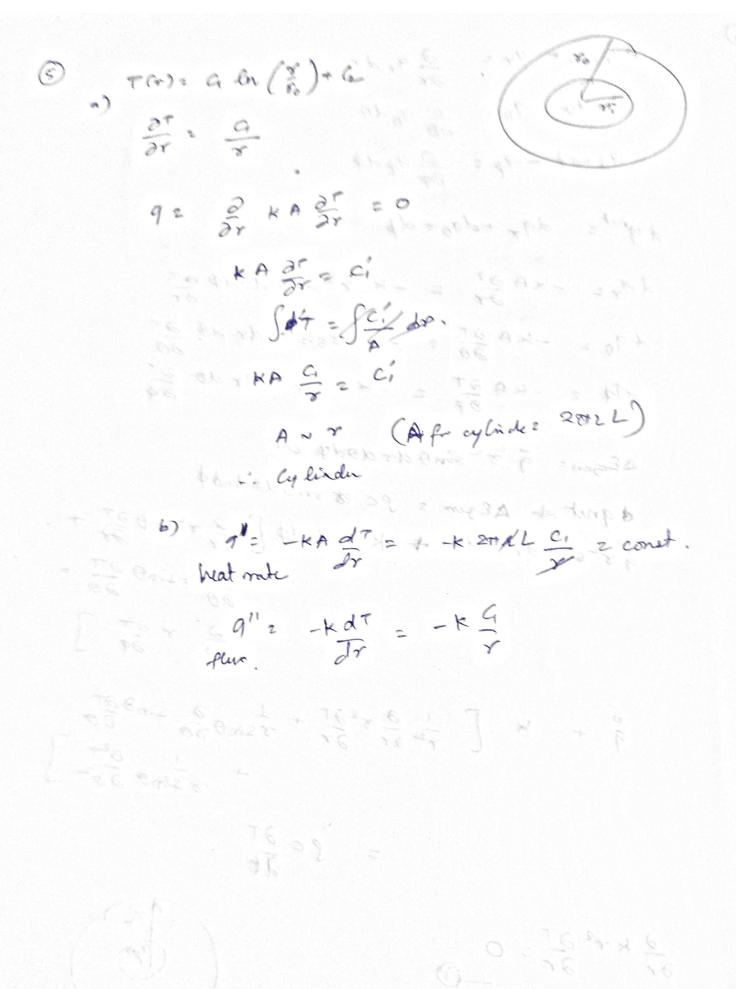
$$\frac{\partial}{\partial r} k \tau^{2} \left(\frac{T(r)_{+} T(r)_{+} T(r)_{+}}{T(r)_{+} T(r)_{+}} \right) = 0$$

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