Page ____

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Applied Heat Transfer

Assignment - 2

To Plot Q VIS Y

To Plot Q VIS Y

Q = AT

Req

Let the length of

Cylinder be L

For Req

Req = ln(Y2/Y1) + 1 2IKL 2IY2Loh

Req = $\frac{1}{2}$ $\ln(\frac{x_2}{n}) + 1$

 $\therefore Q = \frac{(T_1 - T_0)2TL}{\ln(r_2/r_1) + 1}$ $= \frac{1}{2} \frac{\ln(r_2/r_1)}{\ln(r_2/r_1)} + \frac{1}{2} \frac{1}{\ln(r_2/r_1)}$

