H.
$$xy'' + 2y' + y = 0$$
 $y(1) = -10$
 $y(5) = -18$

Frobenius: $y = x^{2} \sum_{j=0}^{\infty} (j + j) \sum_{j=0}^{\infty$

 $\lambda_{1}^{2} = 0 \rightarrow -b + \sqrt{b^{2} - 4ac} \qquad \lambda_{1} = 0$ $\lambda_{2} = -1$

$$3.16N$$
 $\lambda = xy[\frac{3}{5}, C.x]$

$$y_1 = x^0 \left[C_0 + C_{1X} + C_{2X}^2 + ... \right]$$

 $y_2 = x^1 \left[d_0 + d_{1X} + d_{2X}^2 + ... \right]$

$$CN = \frac{(3+k)(3+k-1)(33+3k)}{-CN-1}$$

$$C_{K} = \frac{(K/K-1)(3K)}{(K/K-1)(3K)}$$