Humewoock 8

ASHMIKA

$$\int_{x_0}^{(x)} = 2x^3 - 11.7x^2 + 17.7x - 5.$$

$$x_0 = 3.$$

$$\int_{x_0}^{(x)} = 6x^2 - 23.4x + 17.7$$

$$\int_{x_0}^{(x)} = 6x^2 - 23.4x + 17.7$$

$$\int_{x_0}^{(x)} = x_0 + x_0$$

$$\int_{x_0}^{(x_0)} = x_0$$

$$\int_{x_0}^{(x$$

$$\frac{2}{\sqrt{(60)}} = \frac{(4-x)e^{-0.5x}}{\sqrt{(60)}} = \frac{2}{(x-6)e^{-0.5x}}$$

(a)
$$x_0=2$$
. Took 5 iterations.
 $x_1=0.2817$, $x_2=0.7769$, $x_3=0.8817$
 $x_4=0.8857$, $x_5=0.88571$
Yes, They Converged.

b) $x_0=6$. No Iterations as at $x_0=6$ $J^2(x_0)$ becomes 0 which makes

the final expression $x_1^2+1=x_1^2-J(x_1^2)$ Not defined $J^2(x_1^2)$ $x_0=8$ Iter 1 $x_1=121.1963$ Iter 2 $x_2=7.2121...e+24$ The value of x_2 becomes weight $J^2(x_2^2)$ becomes $y_0=1214$ $J^2(x_2^2)$ becomes $y_0=1214$