Exercise 10 Problem 1 First find out mean and versance of raw data: x = 29.20Var(x) = 23.33 Scale the data to the distribution of the Garssian process Given parameters M=3,7, J=76.6 Scaling x -> x'  $x' = (x - \overline{x})$   $\sqrt{var(x)} \cdot \sigma + M$ Scaled data points  $x' = \begin{cases} -9.4370 \\ 1.8630 \end{cases}$ - 4.2336 -6.1346 -3.5464 2.8829 -1.2017 } 7.3101 18.4989 -11.9478 X' = 3.6999 7, 4232 8.2621 Var(x') = 76.618.6618 -1.9206 5.0511 17.1444 12.6668 -2.348010,9805 4.0849

