Ne know n=3 because there are possible values
or can take.

V(X) = 5.4

2 (a) Before we can check whether the distribution is normal or not, let's calculate the IQR. IQR is given by 1.349 x standard deviation Oven variance = 565.2476  $\circ$  =  $\sqrt{565.2476} = 23.77494$  $IQR = 1.349 \times sd = 1.349 \times 23.77$ = 32.07 Now let's also calculate the IQR from the Summory information in the code:  $Q_3 = 7.25$   $Q_1 = 0.00$ IQR = Q3-Q = 7.25 We have two points to examine The given mean and median are not equal but in a normal distribution they one. Mean = 9.06 and median=1

Mean = Median, so the distribution is Positively skewed. 2. The IQR 32.07239 and calculated IQR 7.25 are also not equal. Hence, the distribution connot be normal For Questions 26 and 2c please refor to the R markdown file.