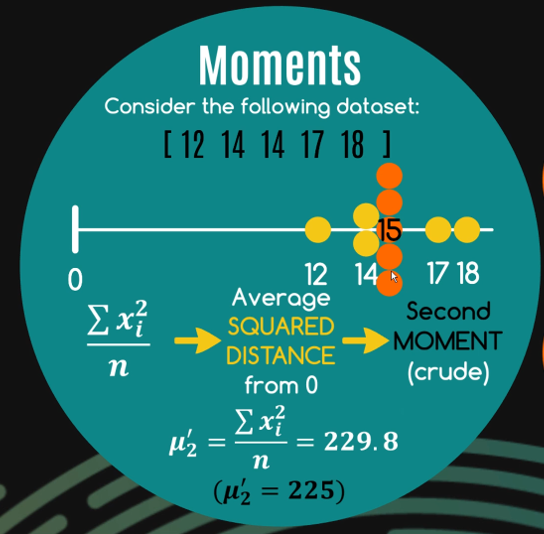
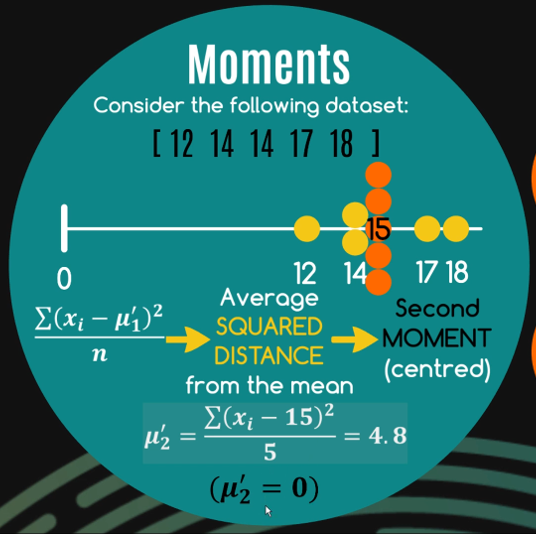
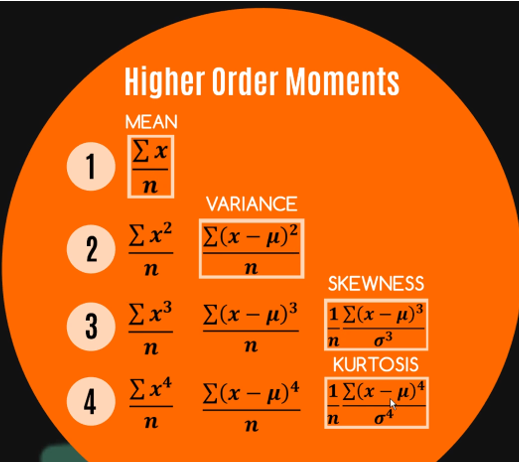


Both the average(1st moment) is 15, then what is the difference between 1st and 2nd moment???



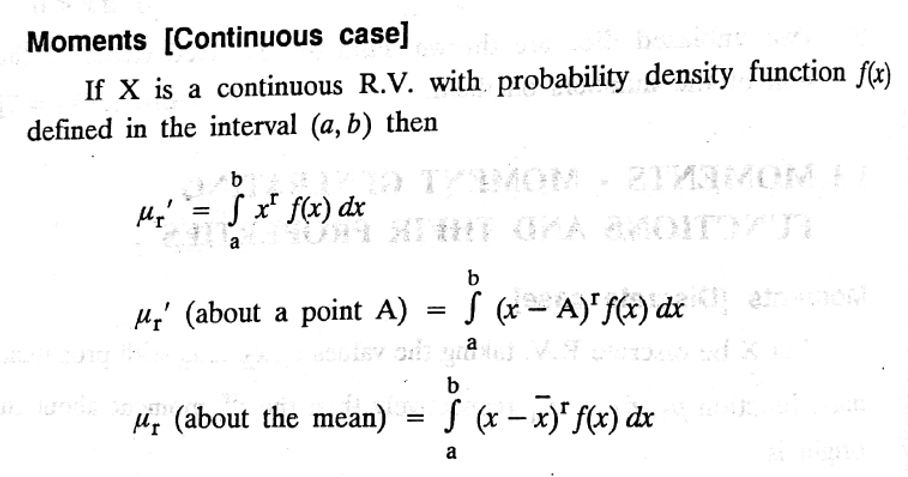
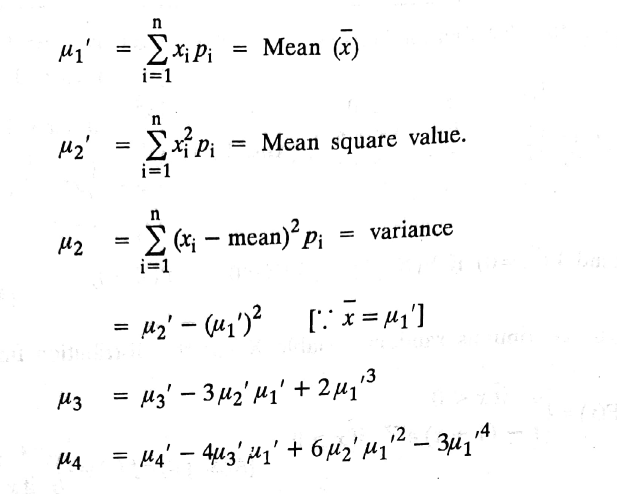
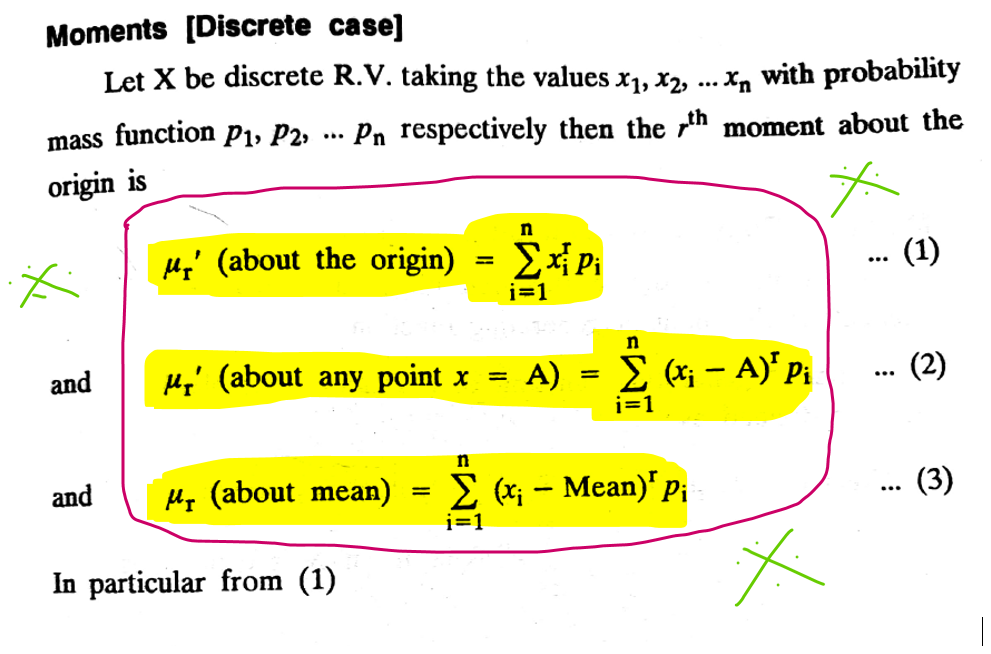
Greater the spread, then greater the average squared distances from 0.  
But the difference between two moments is less and not specifying that much.

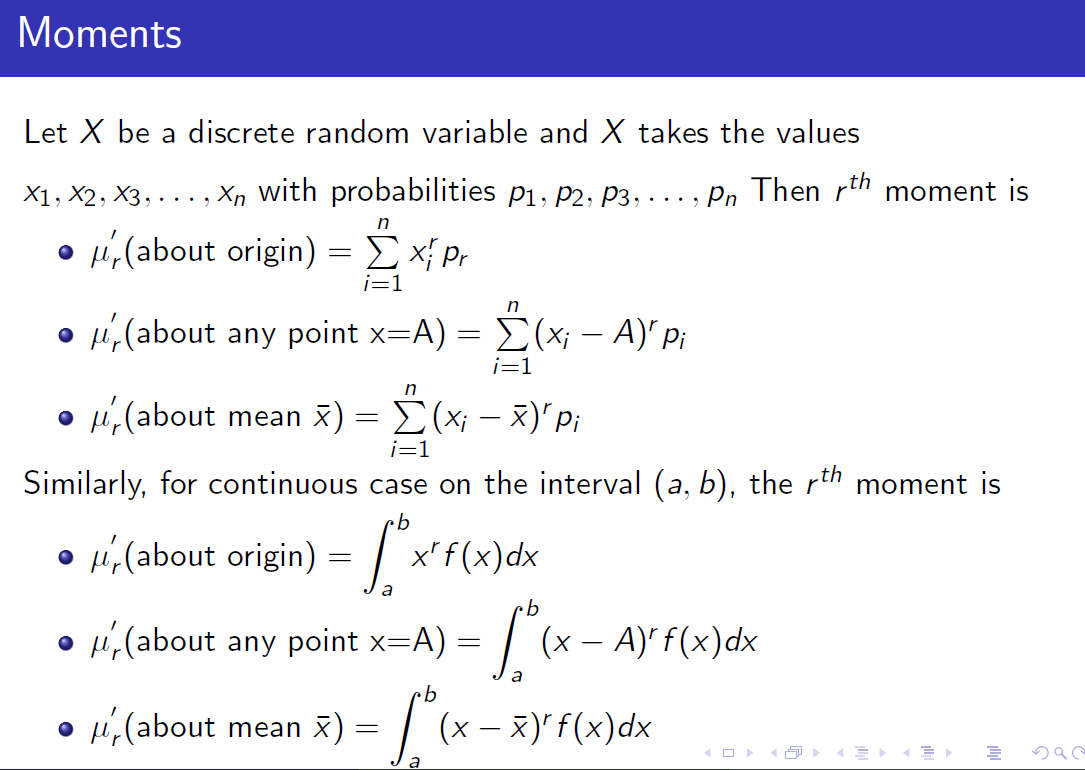
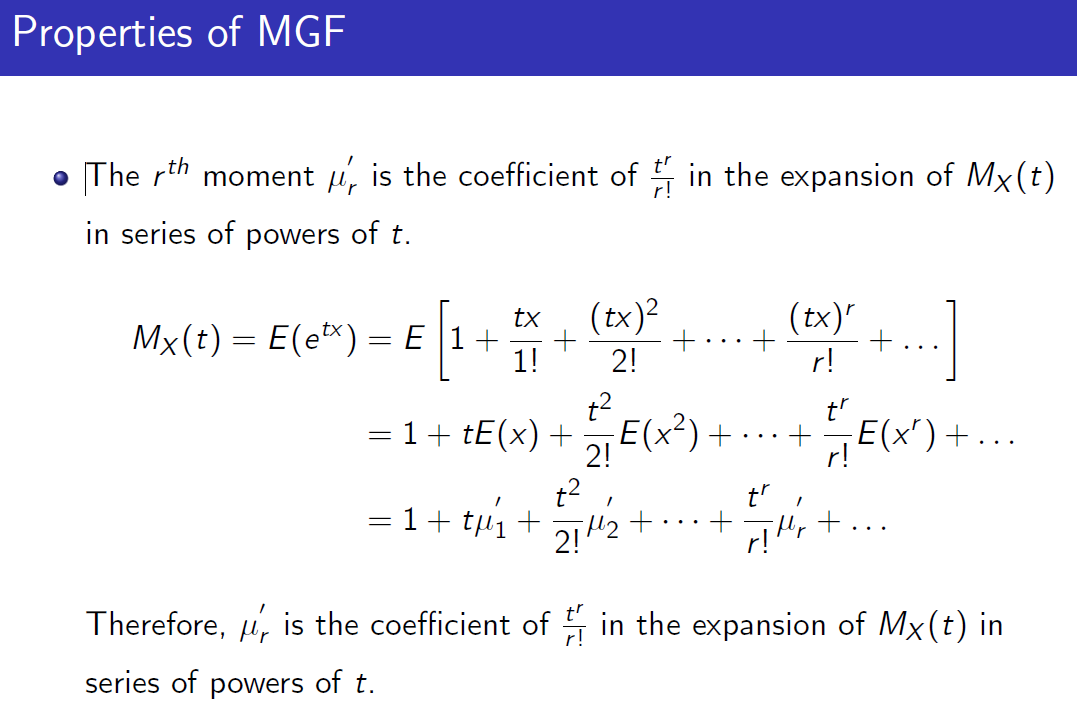
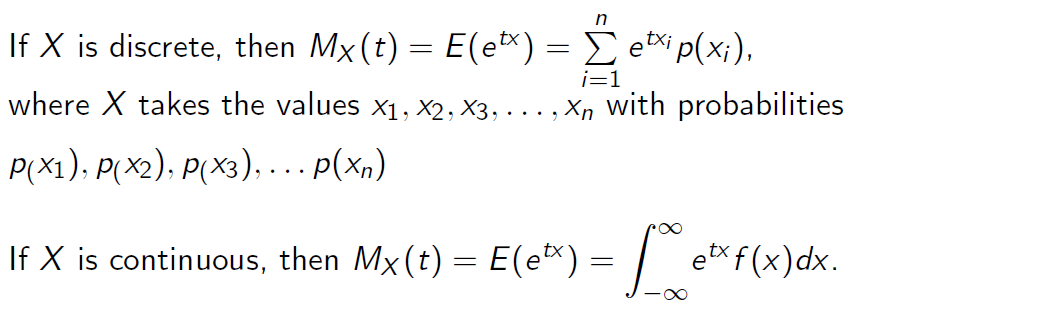
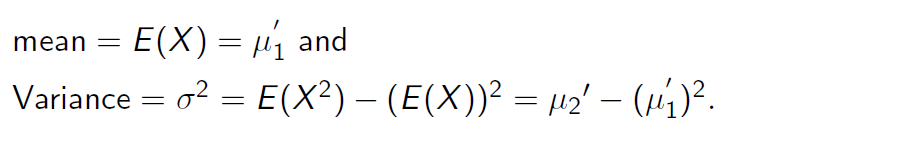
  
Now it clearly tells the difference between two date-sets. It is not necessary to start from zero, the point can be anywhere, it can be mean also.

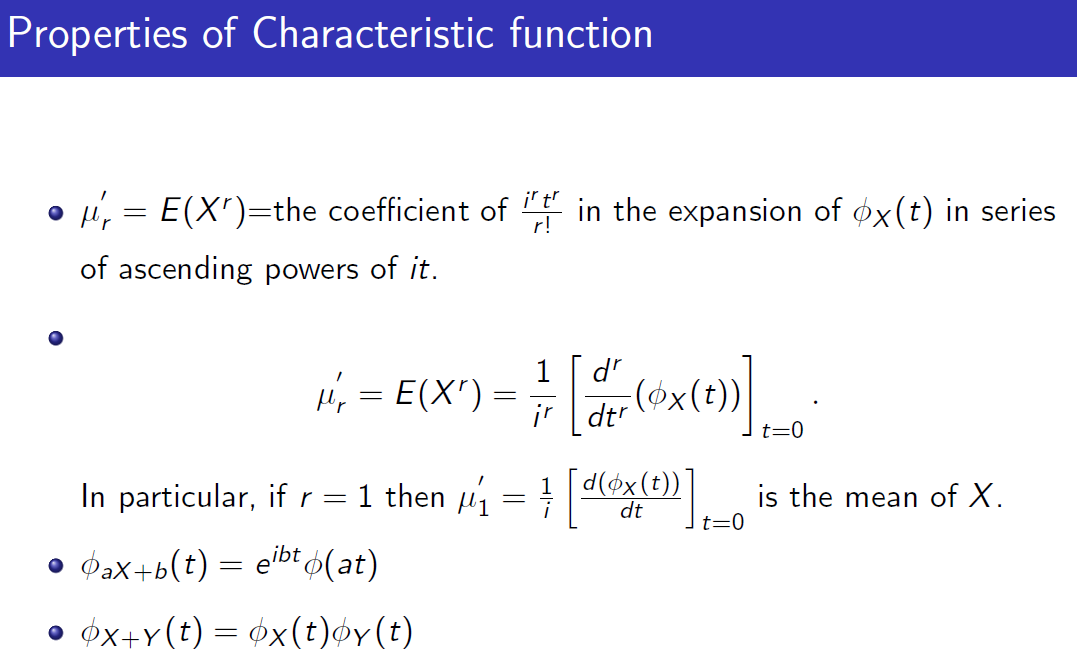
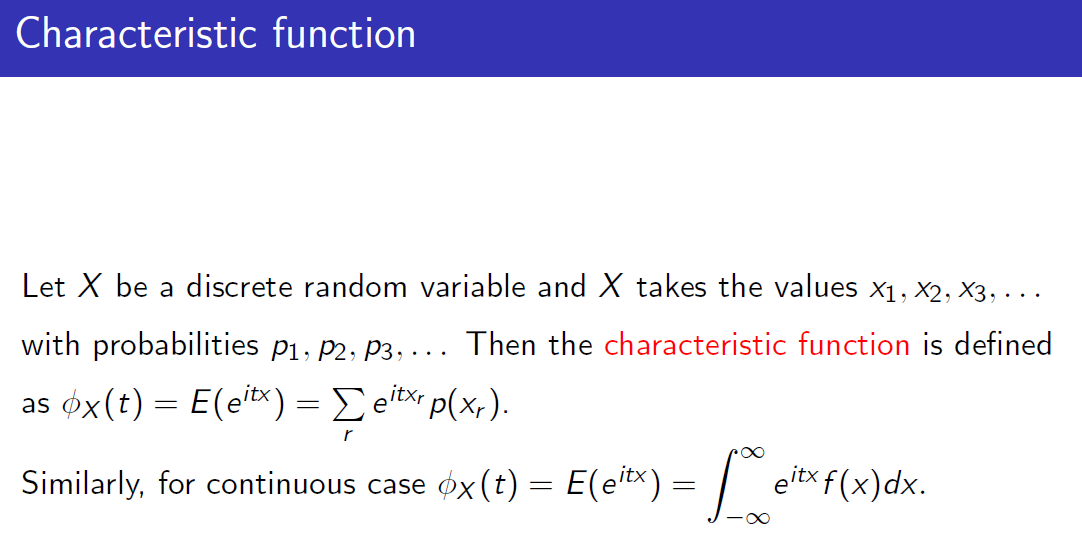


The concept of variance requires mean.  
The concept of skewness requires variance.  
The concept of kurtosis doesn’t requires skewness.

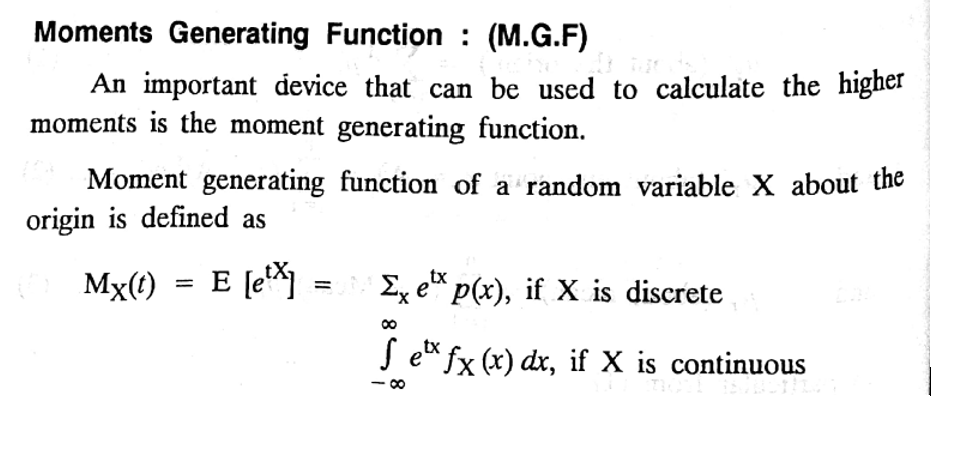
**Moments**

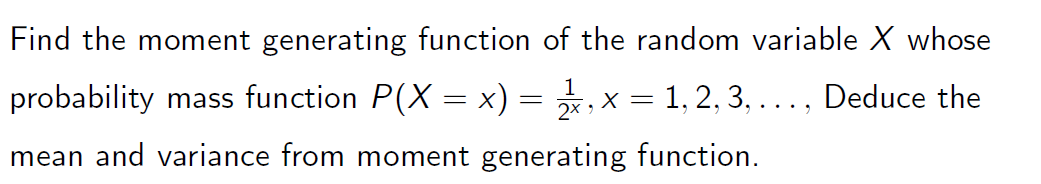


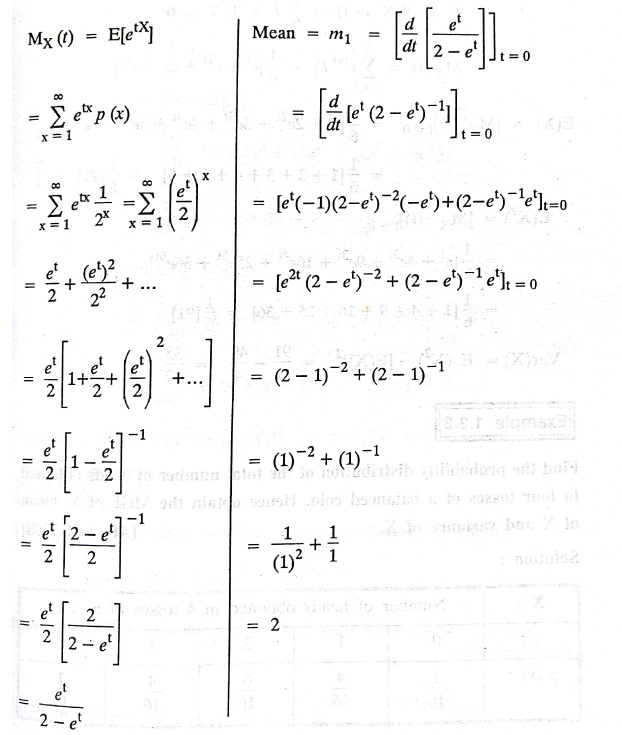
  


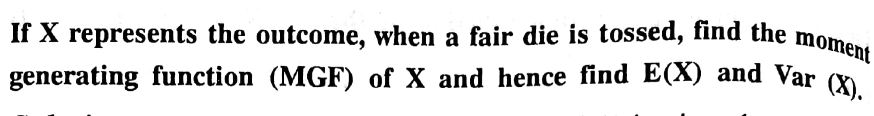


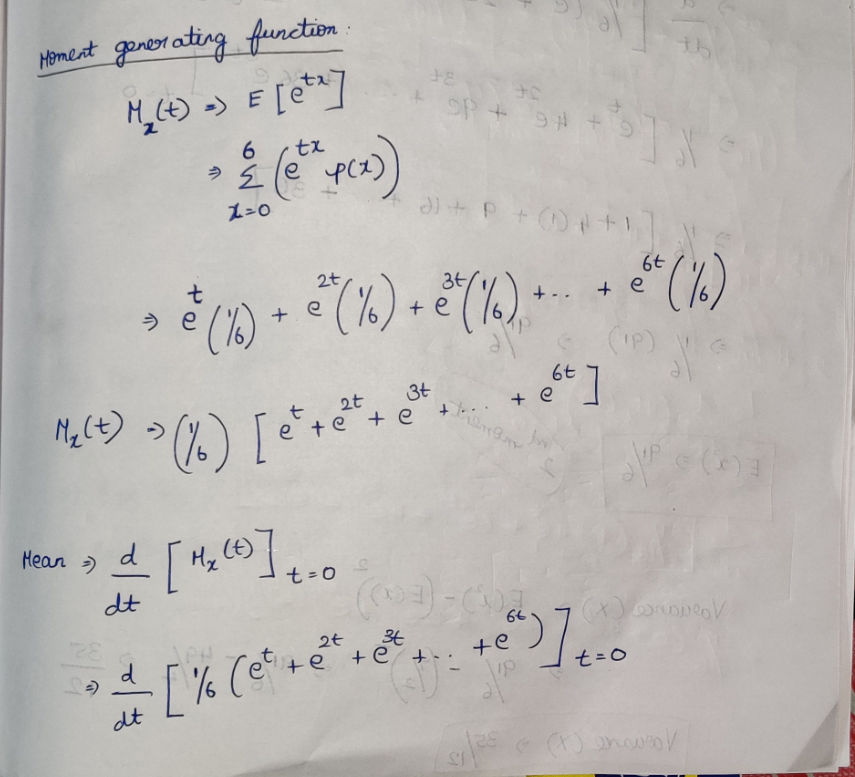
Moment generating functions and their properties

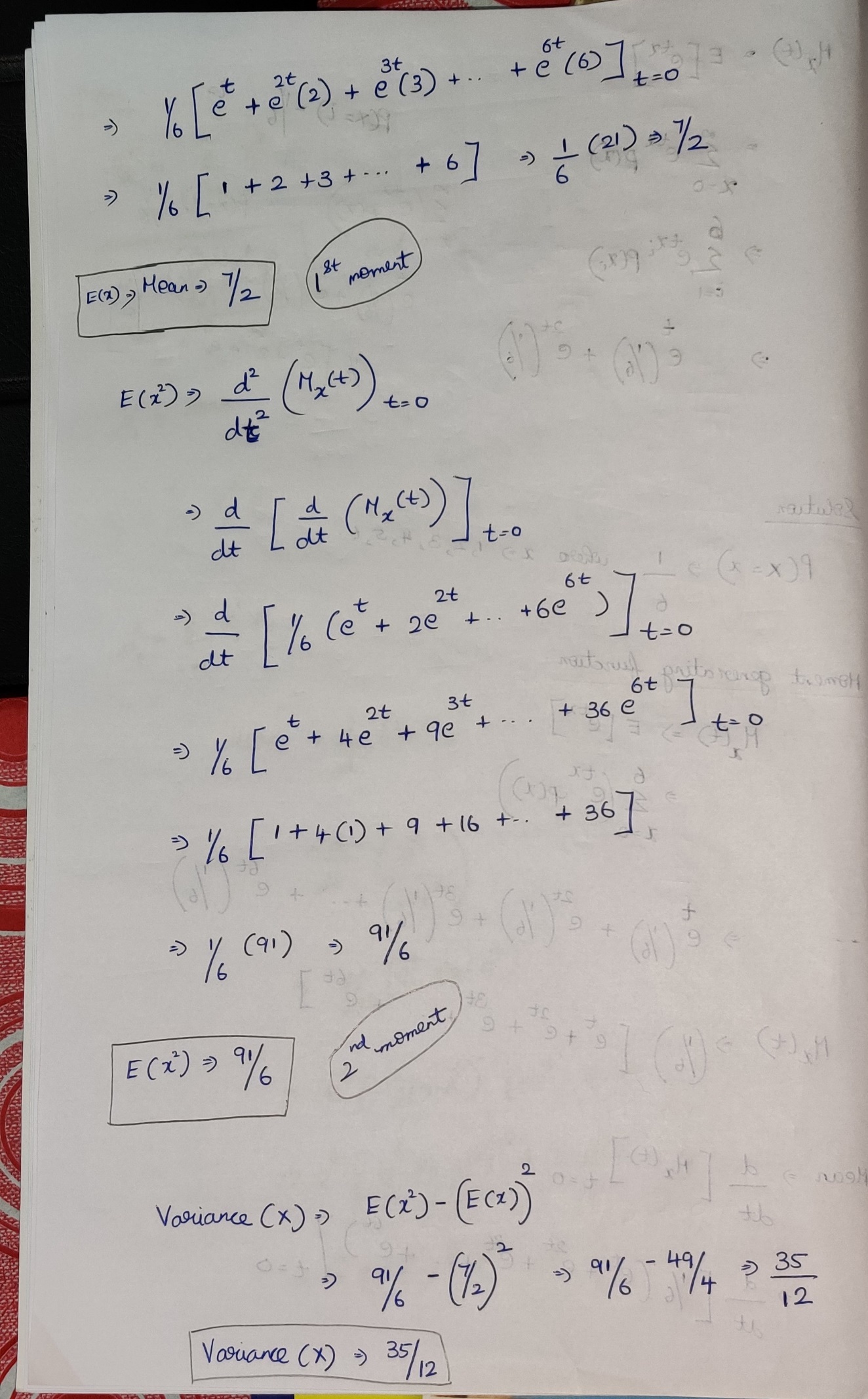


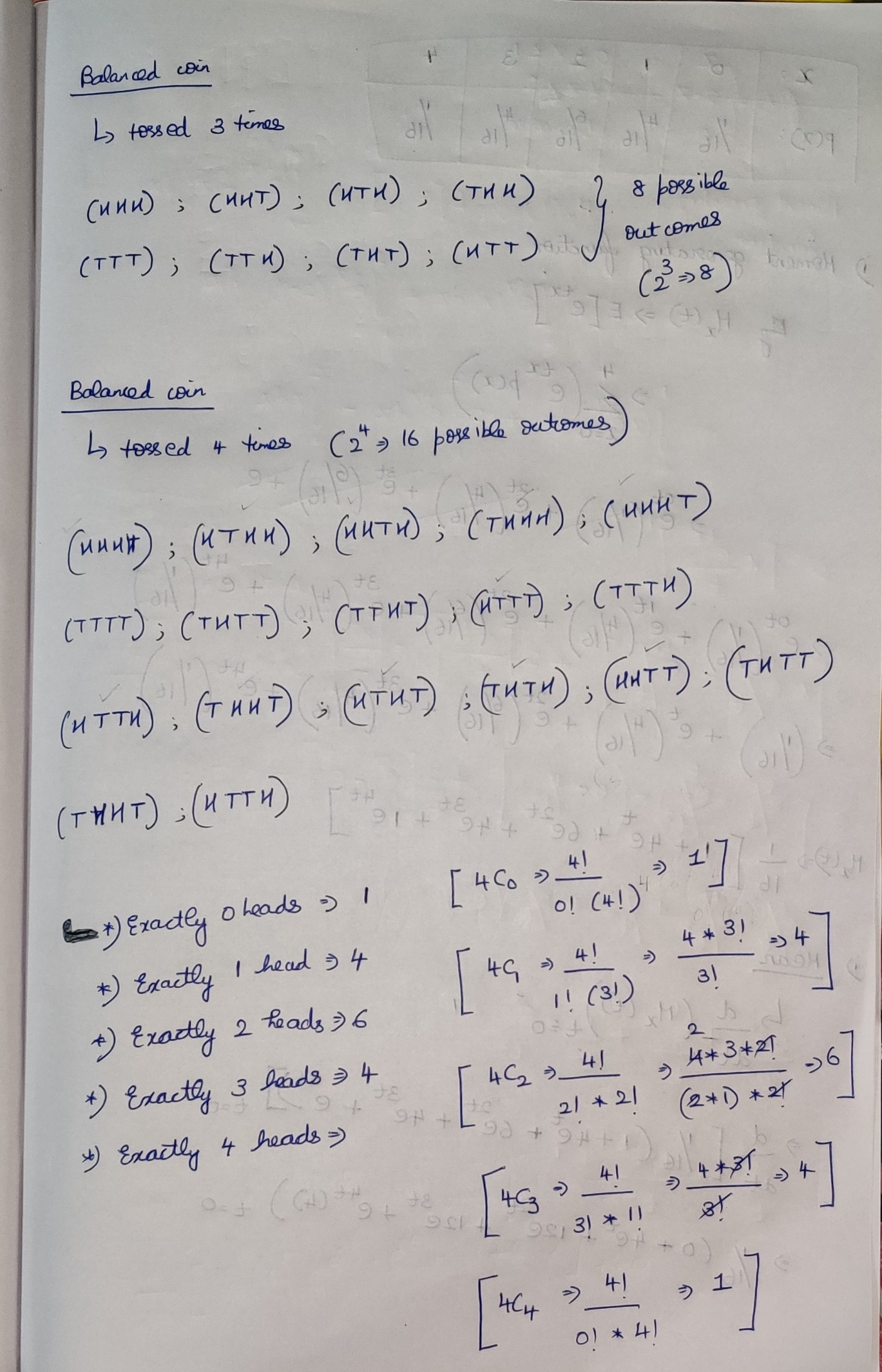
**Question**

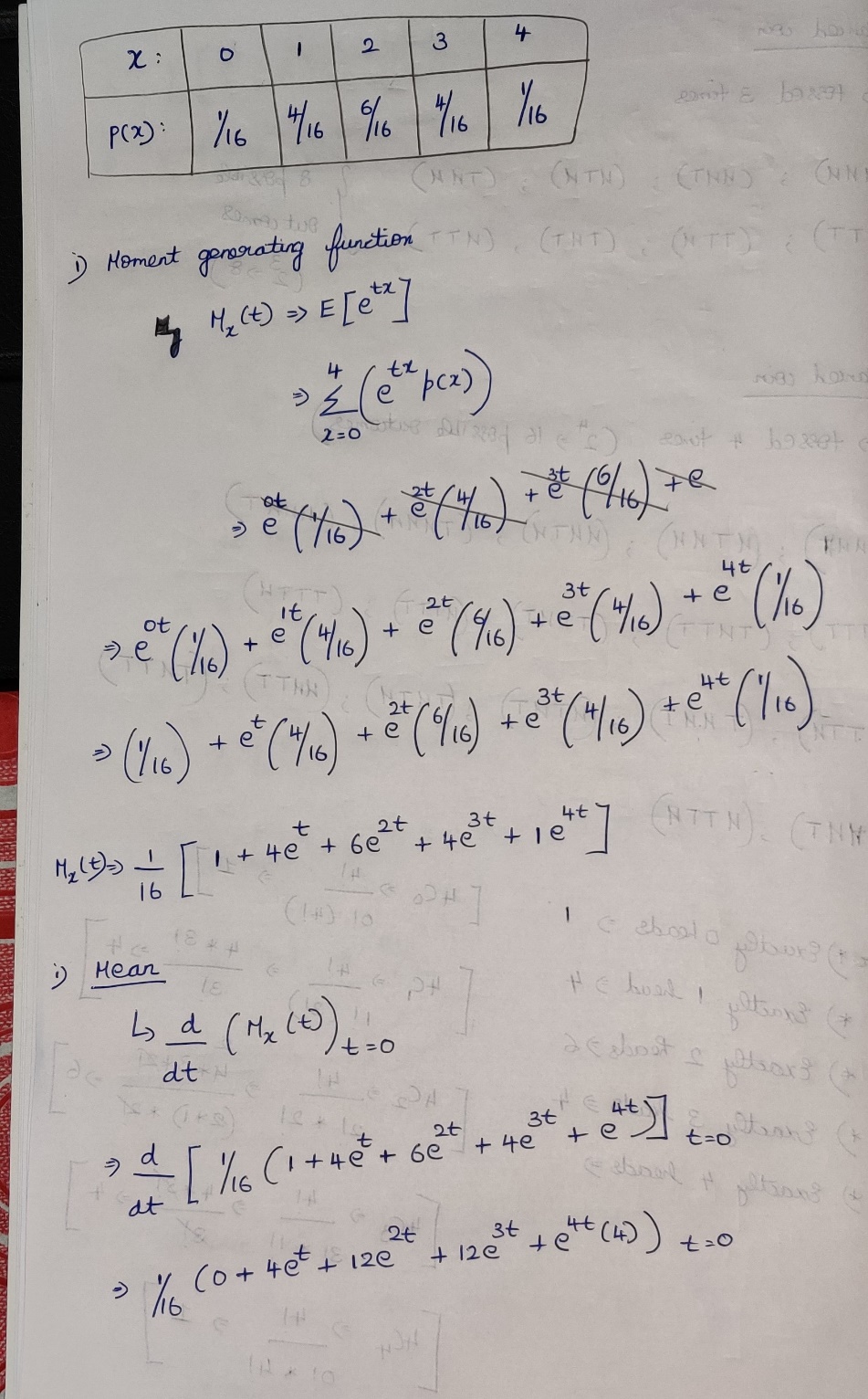
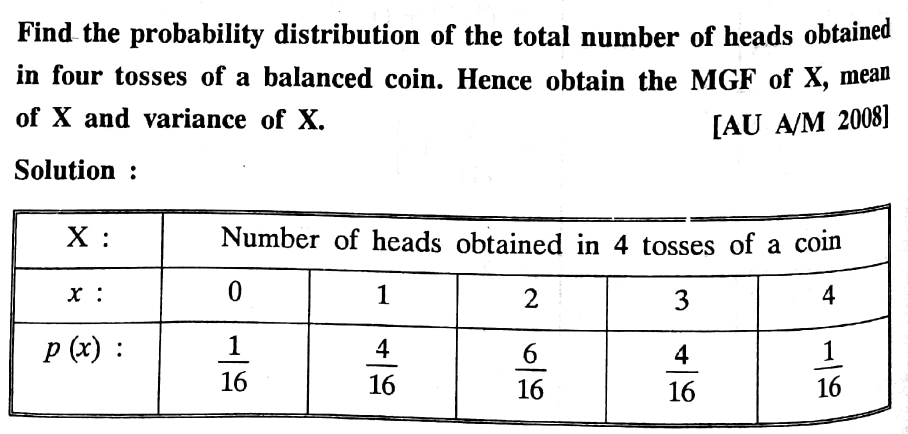


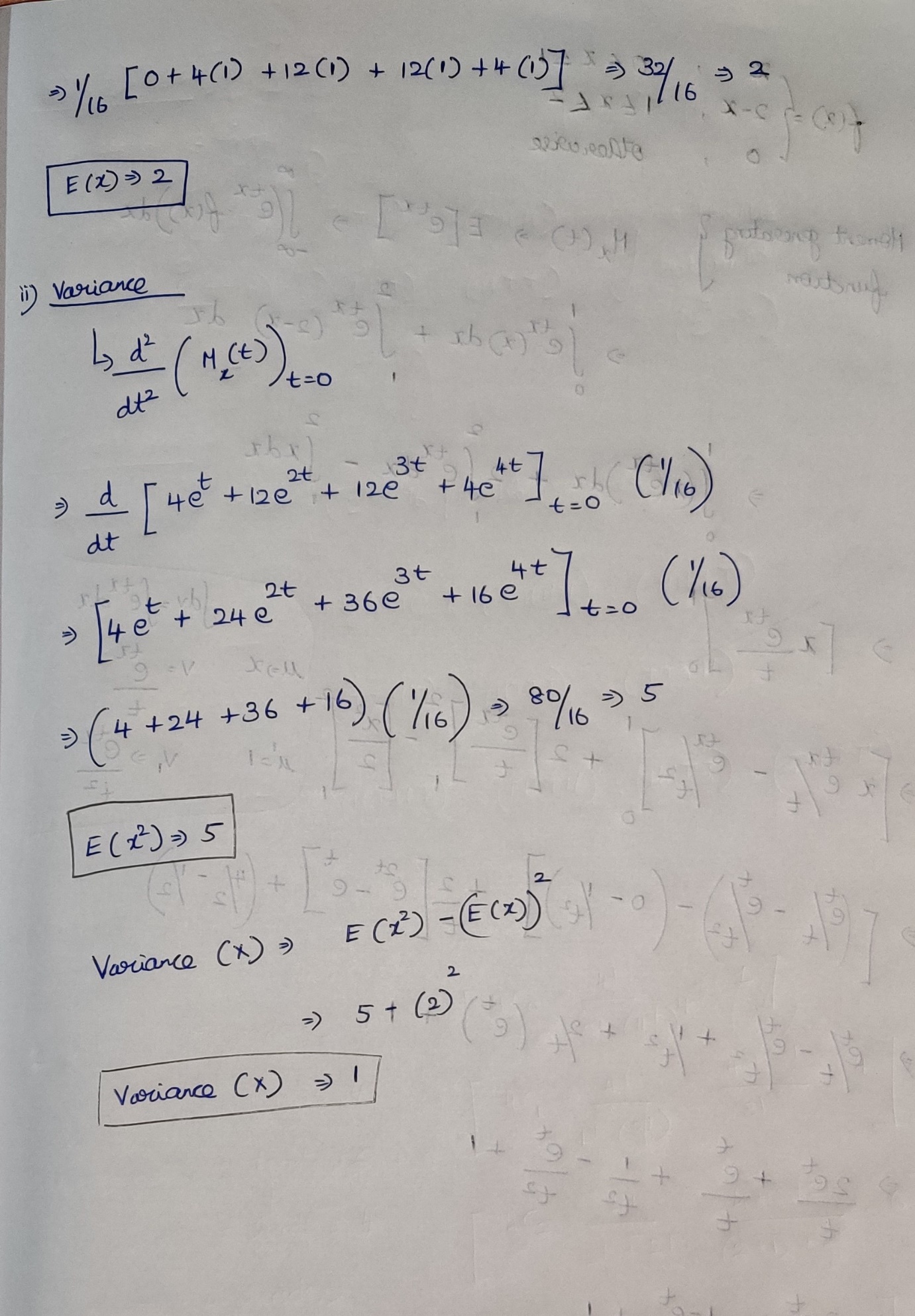
**Question**





  
**Question**





**Question**

