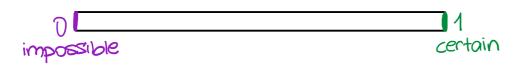
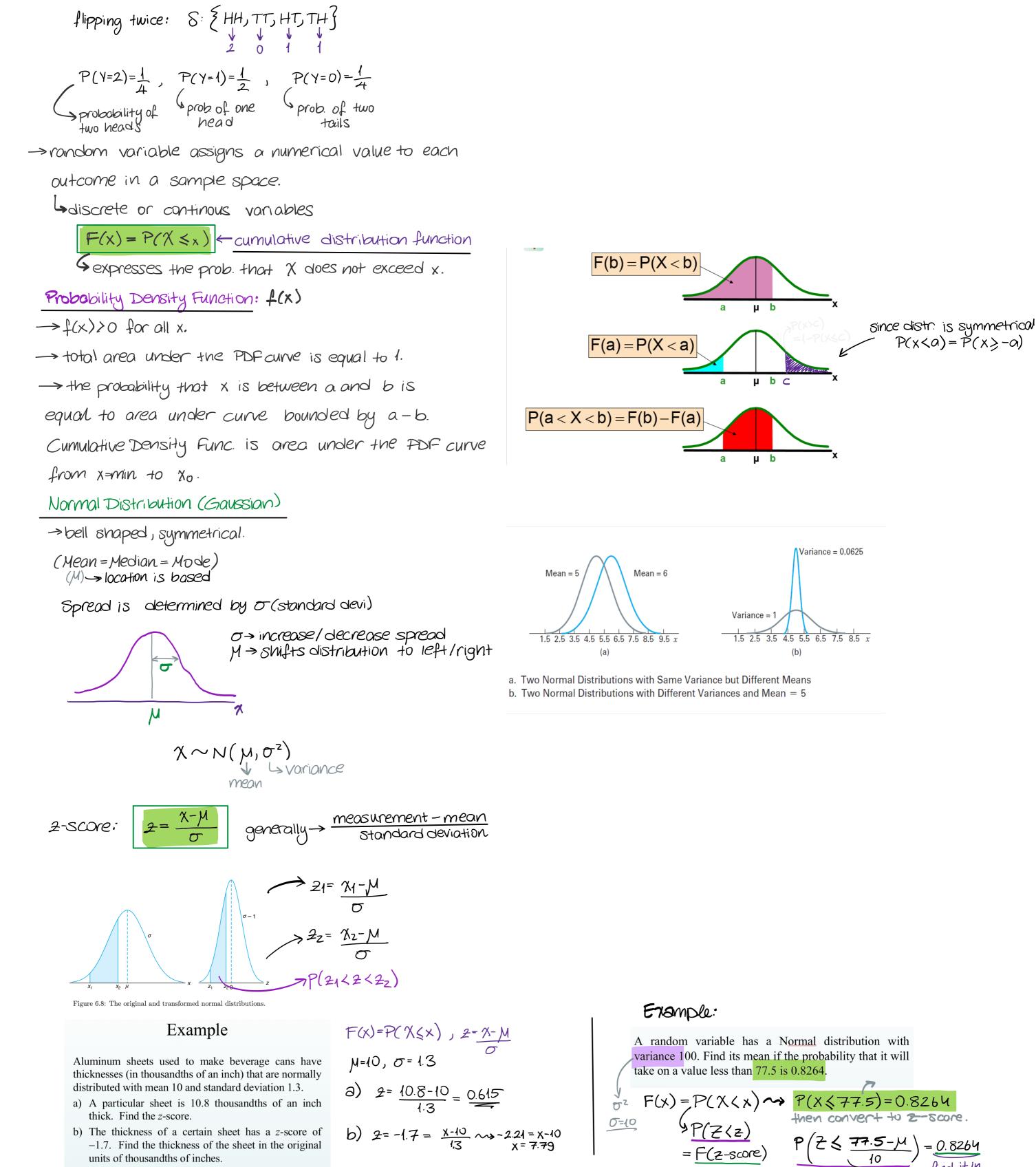
lecture3: probability

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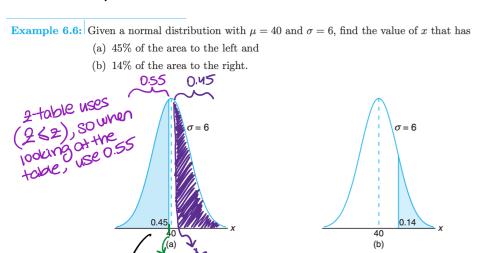
probability: the chance an uncertain event will occur always between O and 1.



sample space: all possible outcomes of the experiment \cdot Flipping a coin —> head and tail are in sample space



Example:



 \overline{y} if 2-score is to the left of the mean, it will be negative.

table

0.94 m H=681

fromtable

Figure 6.13: Areas for Example 6.6 $P(\chi < \chi) = 0.45$ find x 1) convert to 2-score $0.45 = P\left(\frac{2 \le \frac{x-40}{6}}{9}\right) = 0.13 \text{ from table}$ $2 \text{ Symmetry} \rightarrow \frac{40-x}{6} = 0.13$