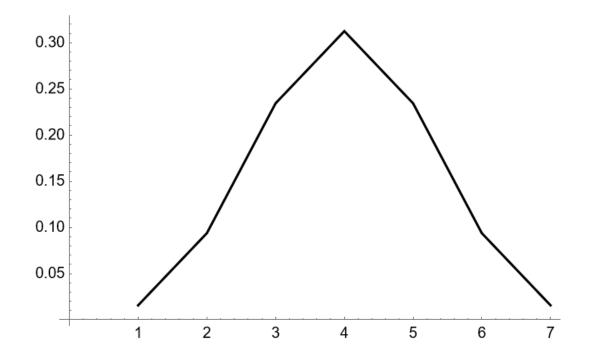
Friday, May 27, 2022

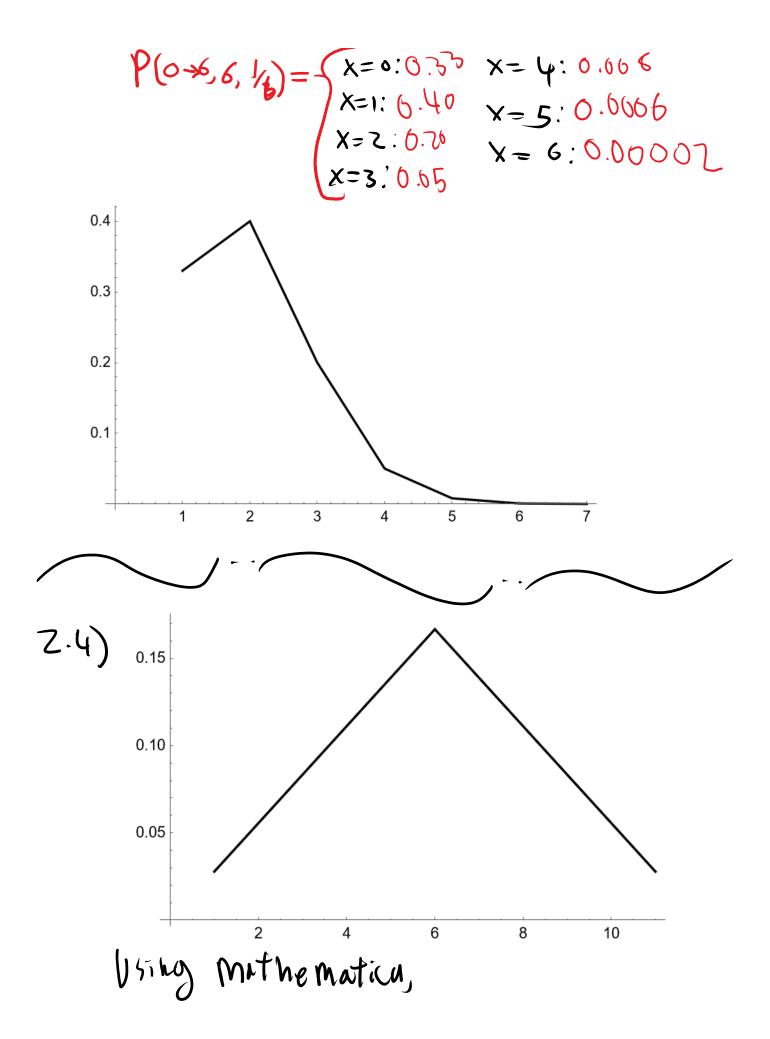
7.3)
$$P(x; n, p) = \frac{n!}{x!(n-x)!} p^{x} q^{n-x}$$

 $P(0\rightarrow6.6, \frac{1}{2}) = \begin{cases} x = 0: \frac{1}{64!} & x = 4:15/64 \\ x = 1:3/32 & x = 5:3/32 \\ x = 2:15/64 & x = 6:1/64 \end{cases}$

$$P(0 > 6, 6, \frac{1}{2}) = \begin{cases} X = 0 : \frac{1}{64} \\ X = 1 : \frac{3}{32} \end{cases}$$

$$X = 2 : 15$$





the mean is $\frac{1}{12}$ Median: $\frac{1}{12}$ $STD: \sqrt{31} \approx 0.65$