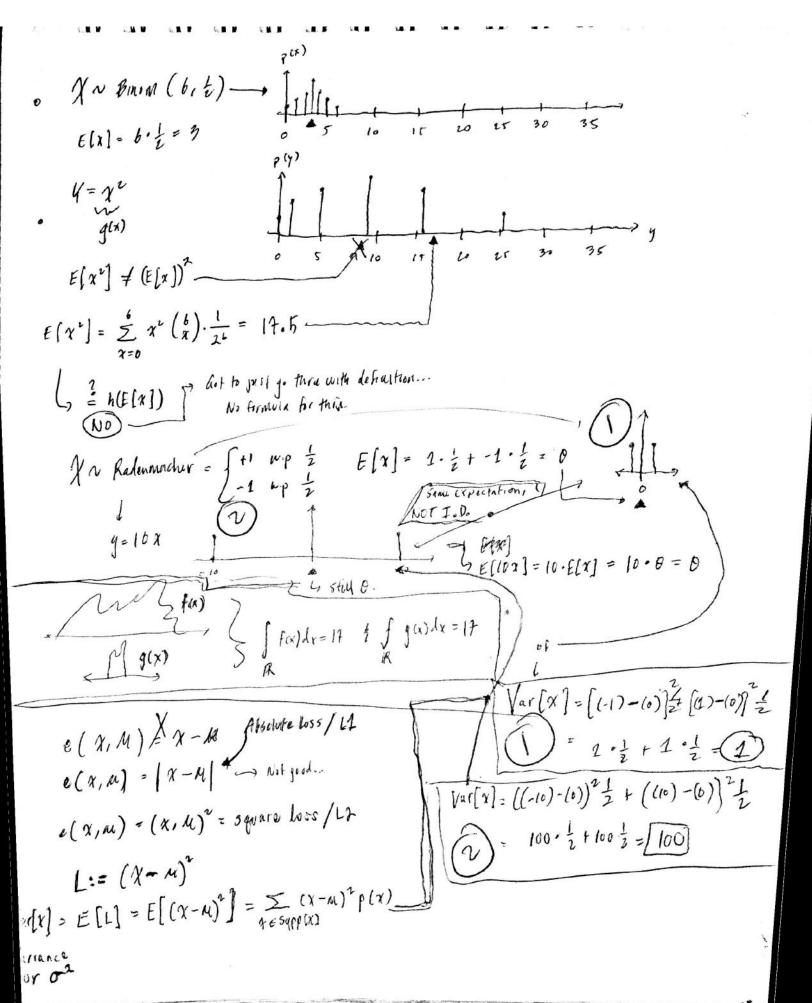
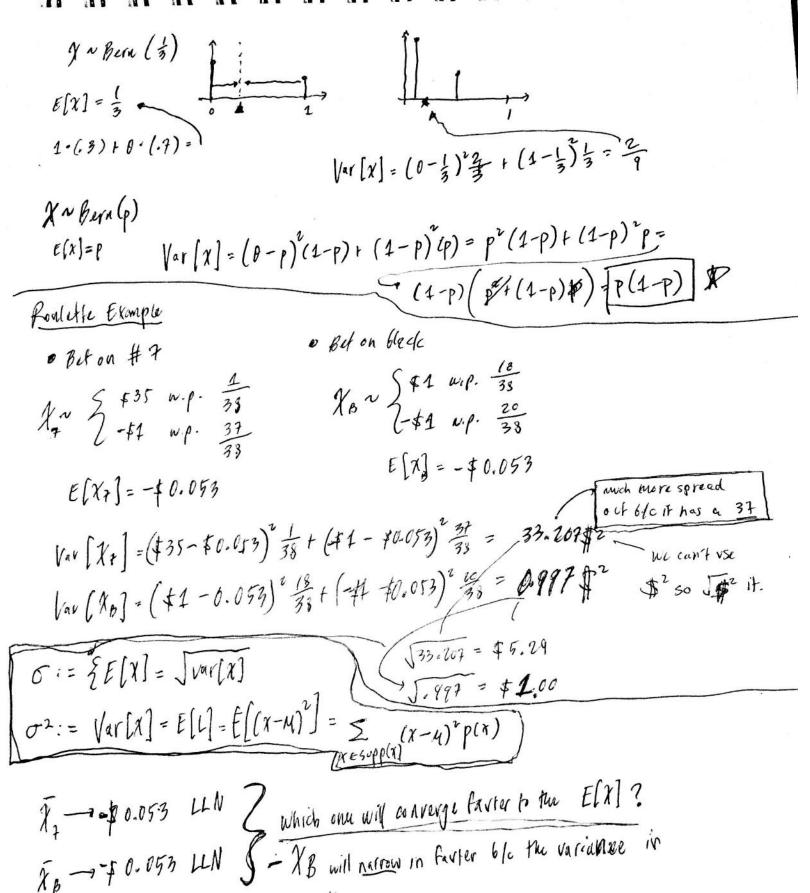
11/09/16 UBER example Was $\begin{cases} 7 \text{ num. u.p. } 8.7 \\ \text{U num. u.p. } 8.7 \\ \text{U num. u.p. } 0.5 \end{cases}$ Transformation of $\begin{cases} 1 \text{ transformation of } \\ \text{variables} \end{cases}$ Average, bown much gove vpeur $\begin{cases} 1 \text{ transformation of } \\ \text{variables} \end{cases}$ $\begin{cases} 1 \text{ transformation of } \\ 2 \text{ transformation of } \\ 1 \text{ transforma$ $E[x] := \int \chi()P()$ * NOT HEROCO* Tilis is what we did here > 5-ff(x) - 8x, x2, ... , } $\mathcal{E}[g(x)] = \mathcal{E}[aX] = Z = \frac{1}{x} \exp[X] = \alpha \cdot \sum x p(x)$ $E[g(x)] = \sum g(x)p(x)$ A+ Vupp[x] AMOUNT SPENT IN TIME + BASE FARE (UBER) T=B+\$3 = for the example above, it's just \$5.40+\$3 = [\$6.40] $E[x+c] = \sum (x+c)p(x) = \sum x p(x) + (c) \sum p(x)$ $E[x]+c \cdot 1 = E[x]+c$ JE[aX+c] = aE[x]+c]
g(x)





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