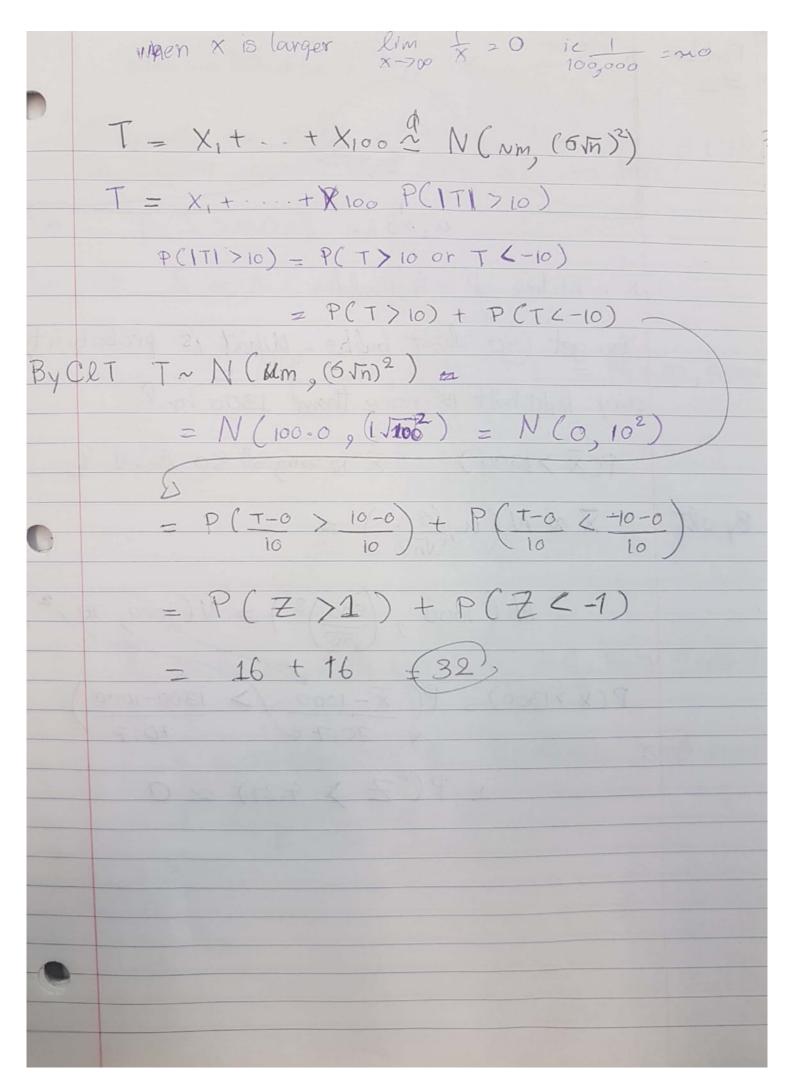
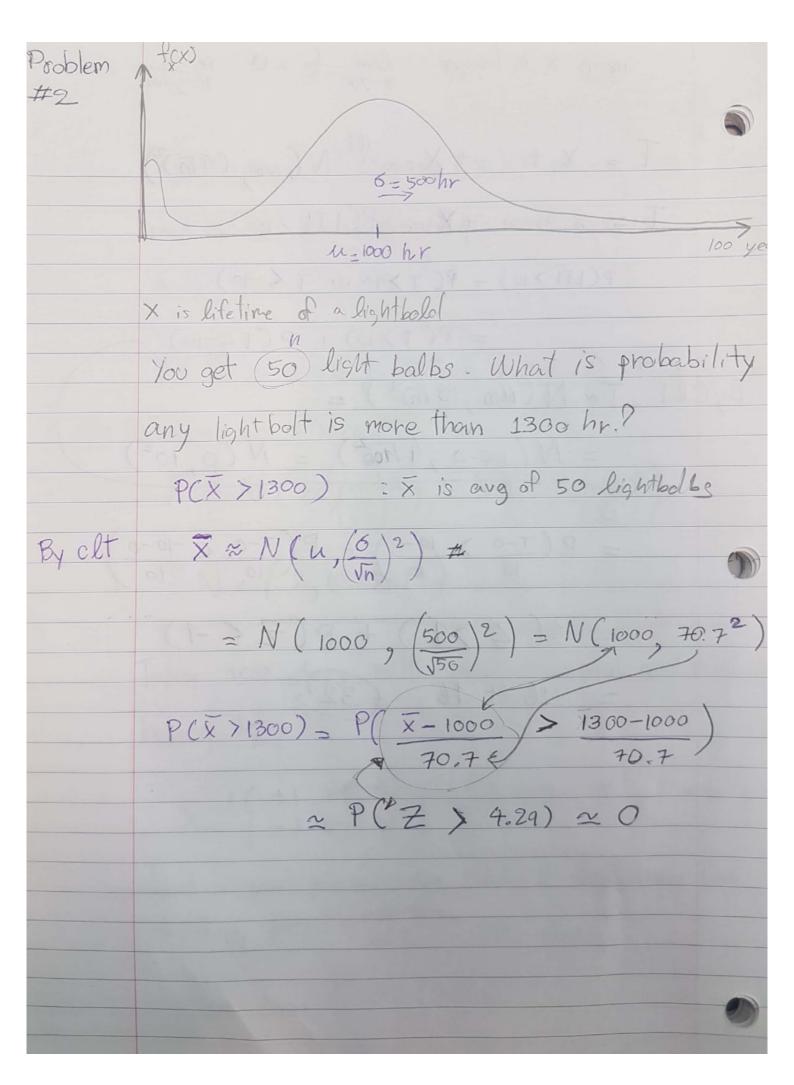
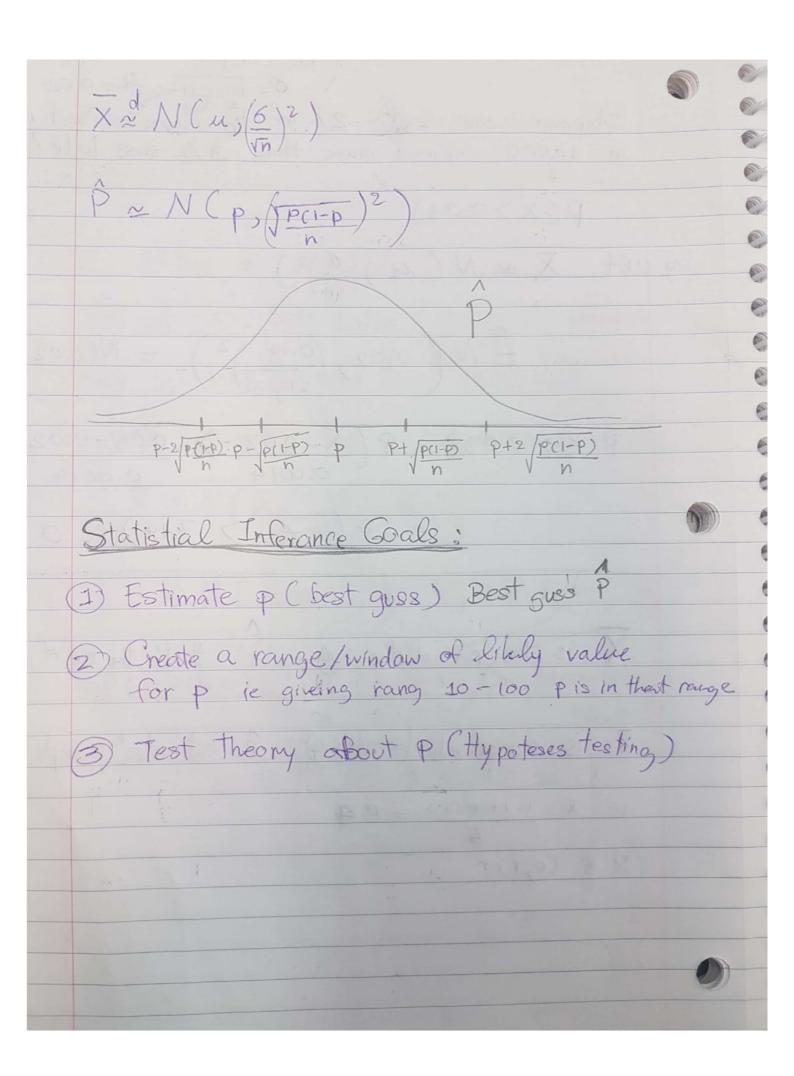
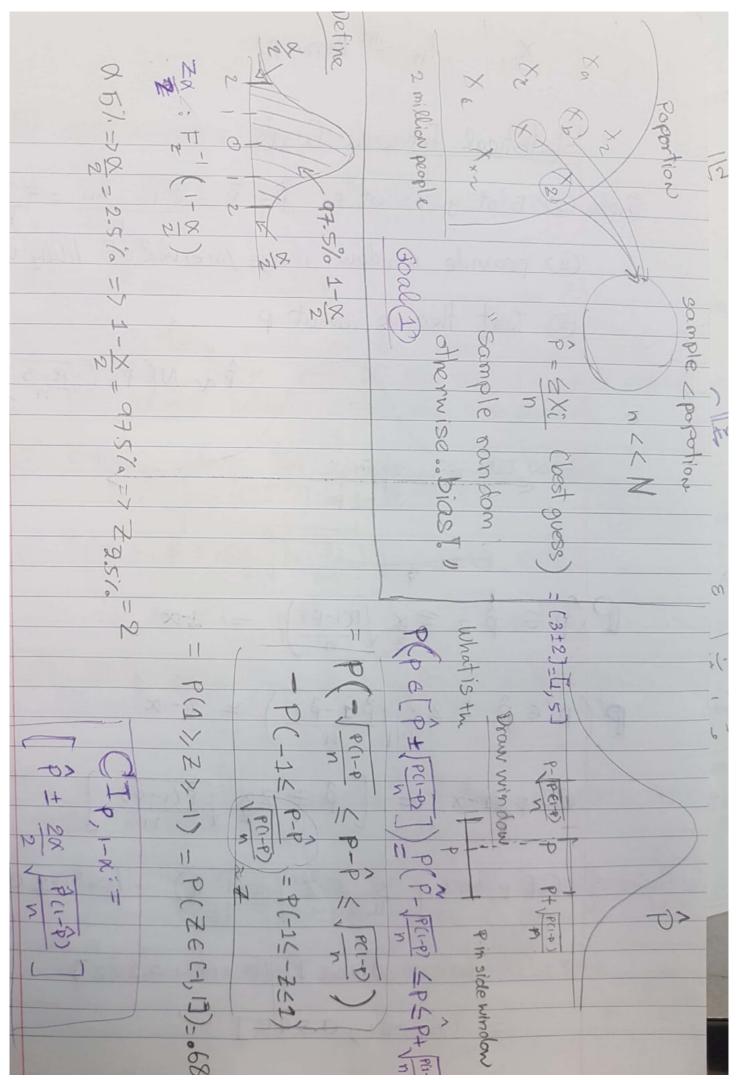
6 = VI-P = VI = 1.414 X_{1+} , X_{30} \sim Geome $(\frac{1}{2})$ => $\mathcal{U} = \frac{1}{1} = 2$ what is the prob. the avg wait time is more than 2.75 9 $P(X > 2.75) = P(X-2 > 2.75-2) = P(Z > 3)_2 correction we know n = 30 is "large" 1$ $X \stackrel{d}{\approx} N(u(6)^2) = N(2,(1.414)^2)$ $N = (2, (0.258)^2)$ Take 100 steps with prof Command and Bachmand being 5 0 Xind (+1 wp = => u=0, 62=1=>8=1 0 What is probyou were mor them to steps away from Starting boint after 100 steps. X, ... X 199 ~ SI WP 1/2 6





	Shipments are laste 2% of the time. What is probin 10,000 shipment more than 3% are late?
by	$P(X>0.03)$ $Clt X \propto N(M, (6)^2)$
	$= N\left(0.02, \frac{(0.14)^2}{\sqrt{10000}}\right) = N(0.02, 0.0014^2)$
0	P(X > 0.03) = P(X - 0.02 > 0.03 - 0.02) $0.0014 0.0014$
	$\frac{2P(Z)7.14)20}{6}$
Som	X is the r.v of the aug P that's the r.v. of proportion?
	ie $\bar{x} = 1 + 1 + 0 + 0 + 0 = 0.84$
•	X e (0,1)
0	





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