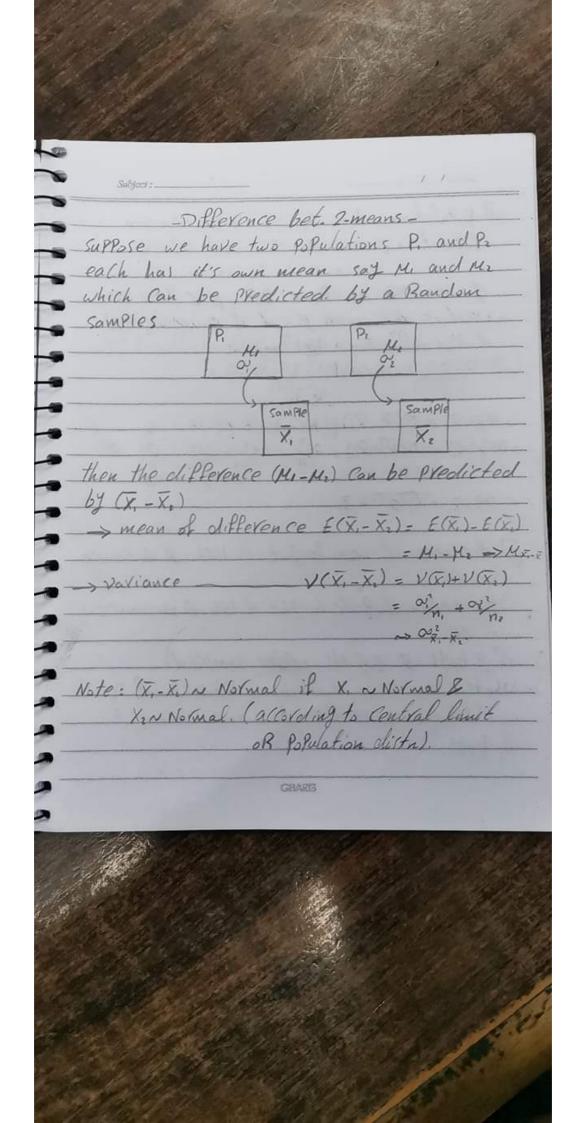
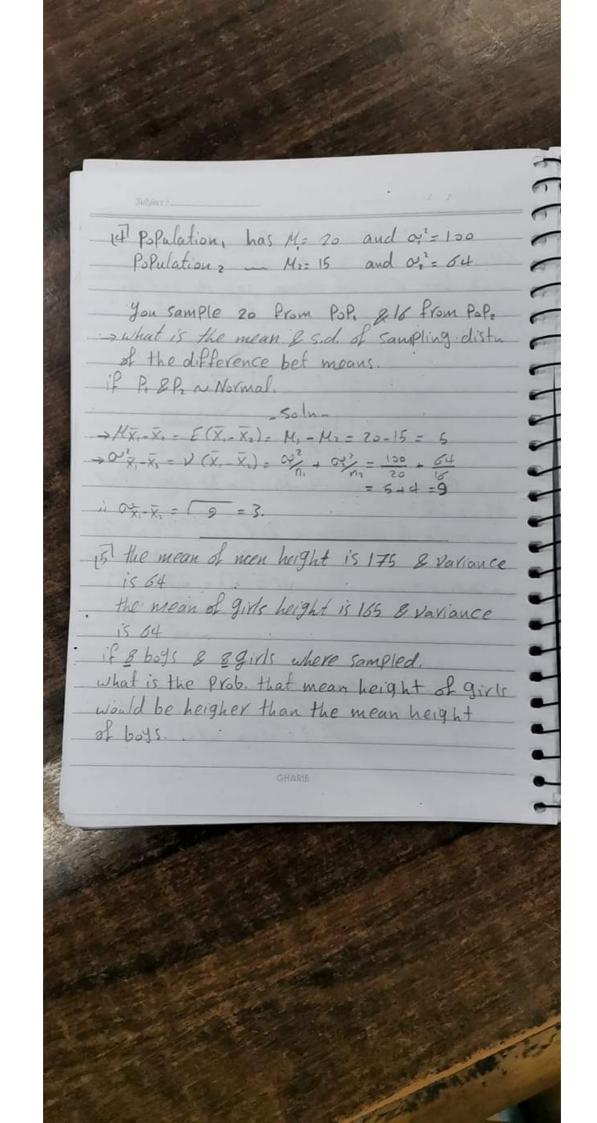
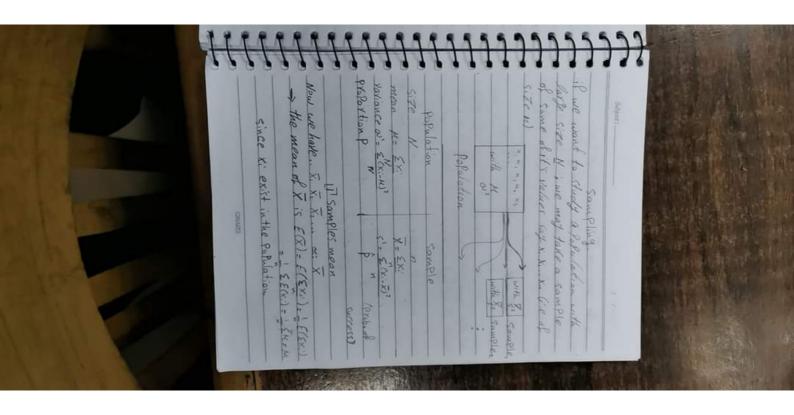
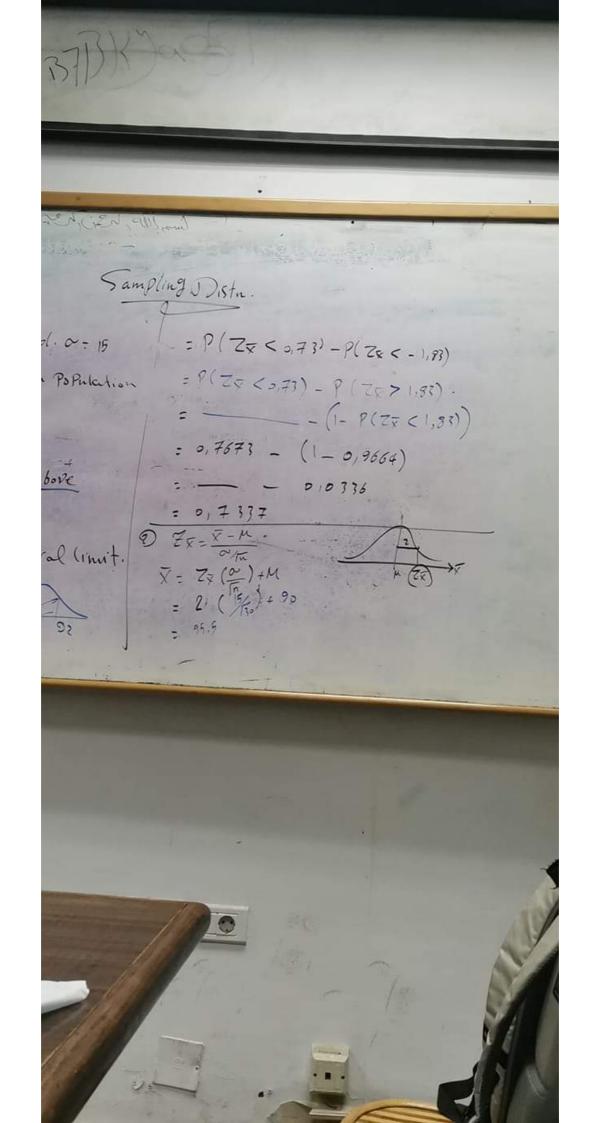


Sampling Distn. $Z_{x} = \underbrace{x_{-\mu}}_{x = \sqrt{x}} \underbrace{x_{-\mu}}_{x = \sqrt{x}} \underbrace{\nabla v_{xx}}_{x =$ Probithat Random sample & size 16 has mean greater than 01,5. P(X > 61,5) = P(Z7, 61,5-63) y large. = P(ZF7, -0,5) = P(ZF7, -0,5) = 1-P(ZF <-0,5) rormal.

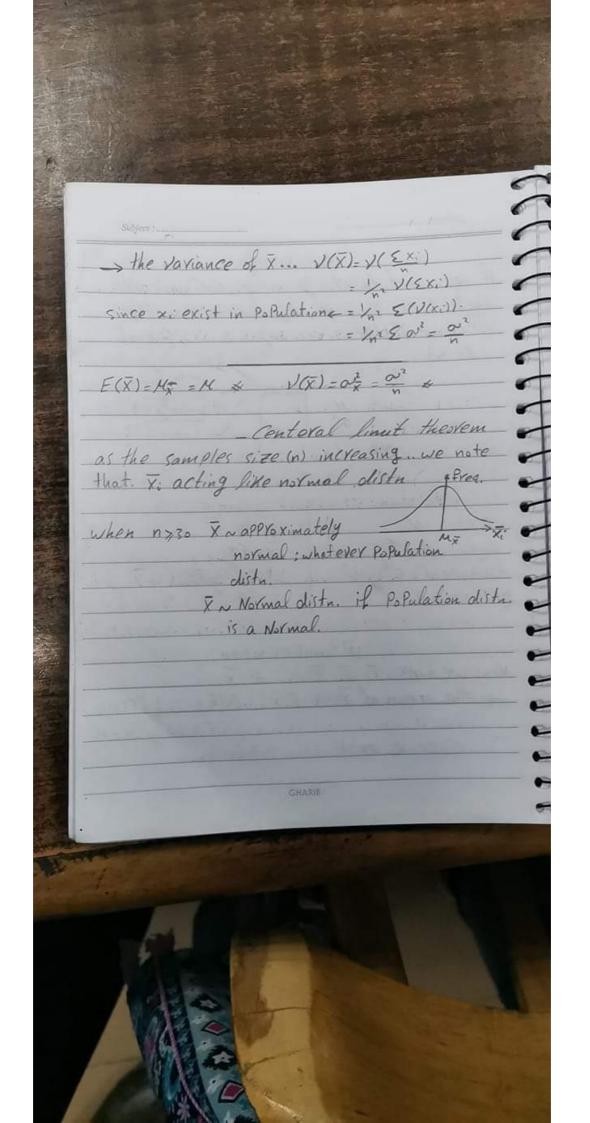


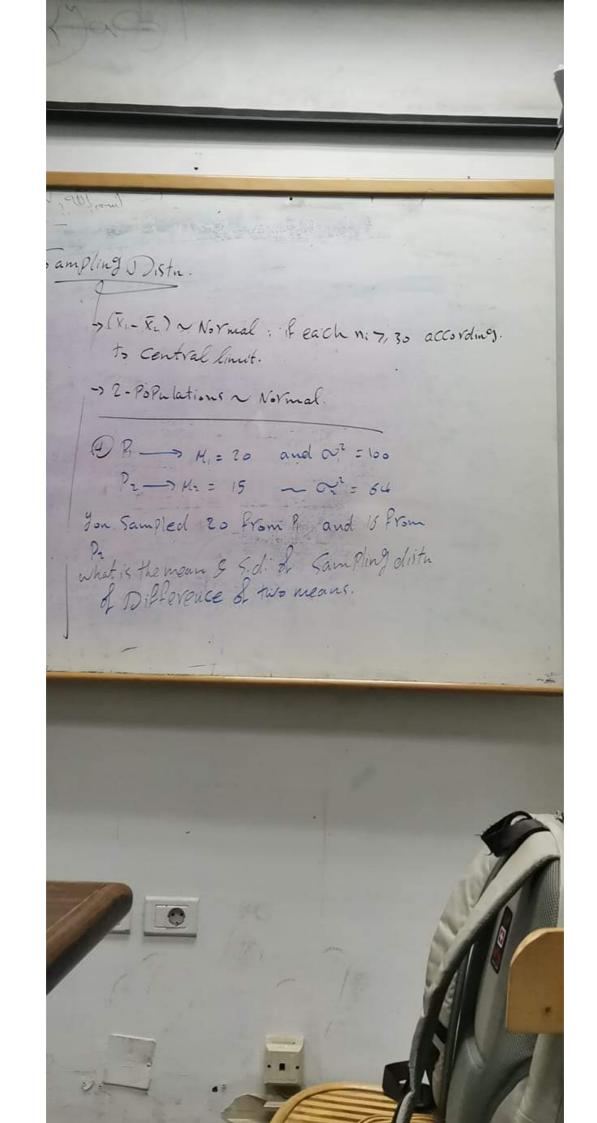


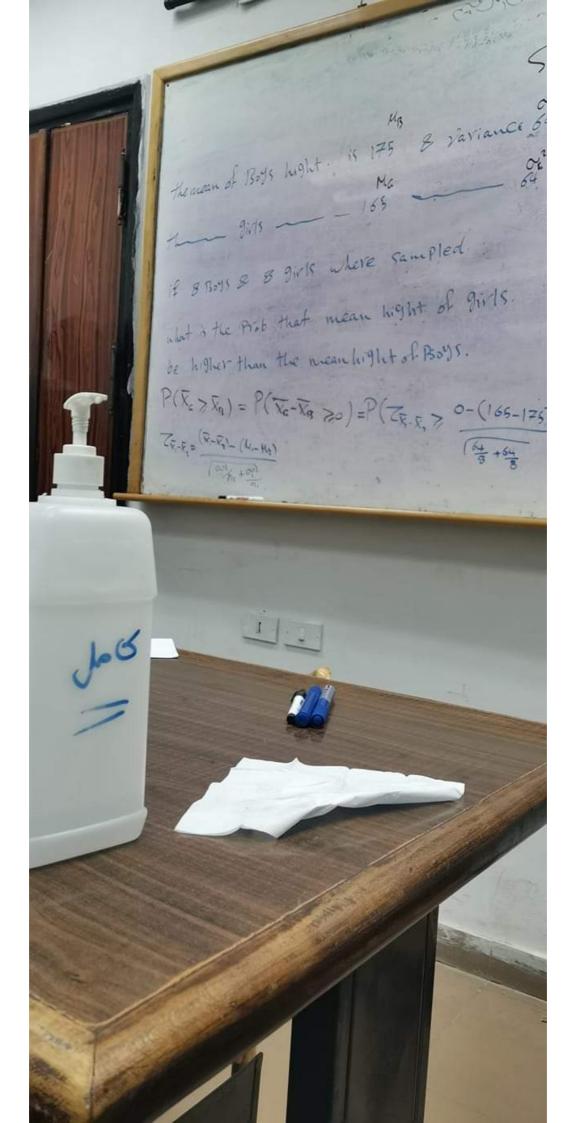


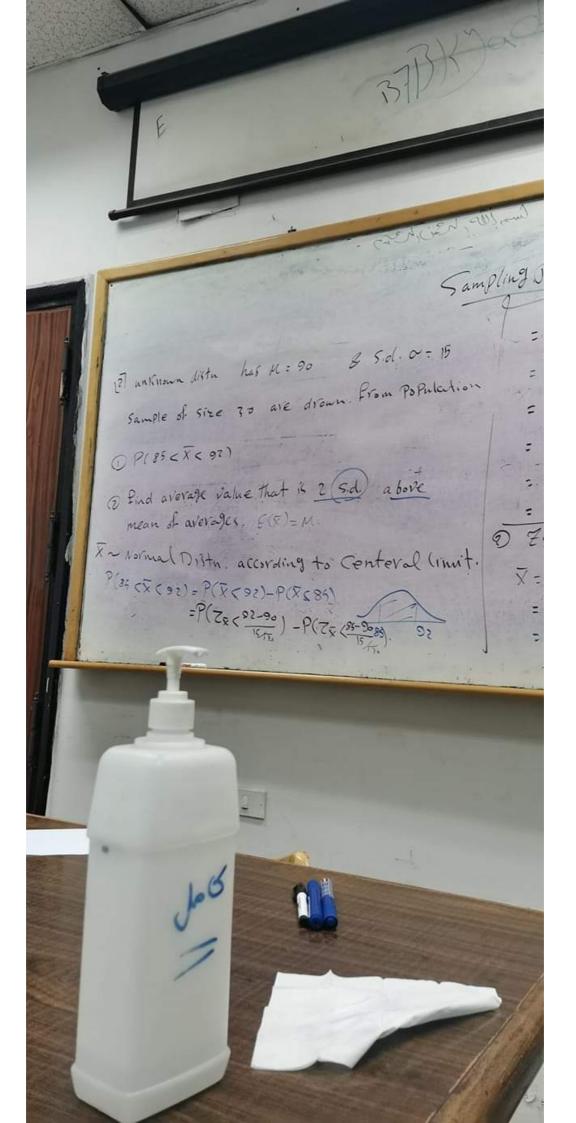


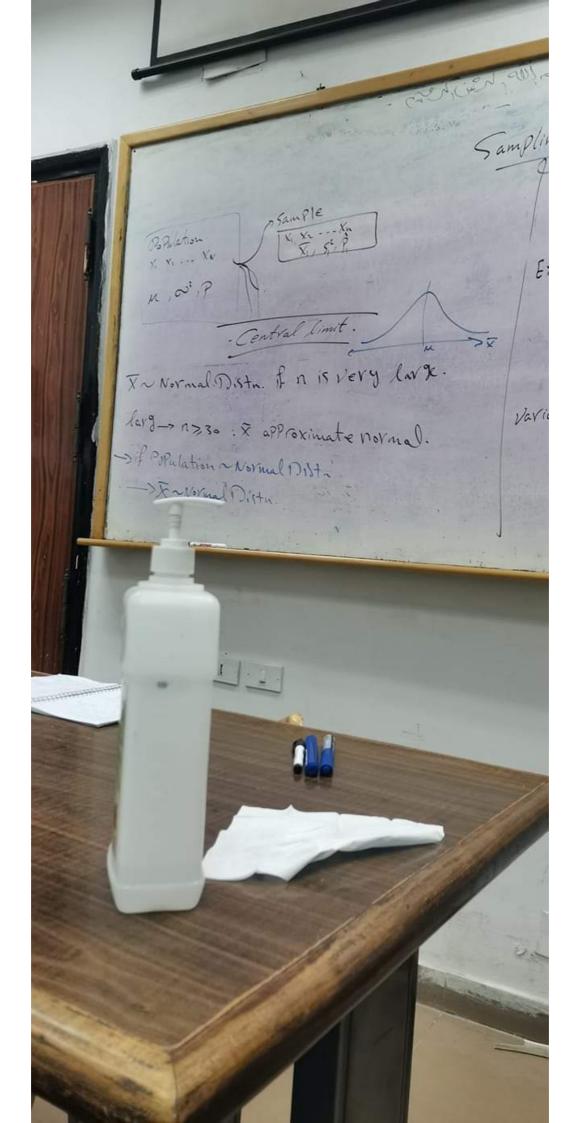
Sampling Distn. B variance 34 [D(ZK-X, 7,25): 1-P(ZK-X, <25) Sampled : @ P -> H = 20 and 002 = 100 hight of girls P2-> M2 = 15 - 02 = 64 ct of Boys. you sampled 20 from 1 and 15 from (TR. R. > 0-(165-125)) what is the mean & S. d. of Sampling dist.

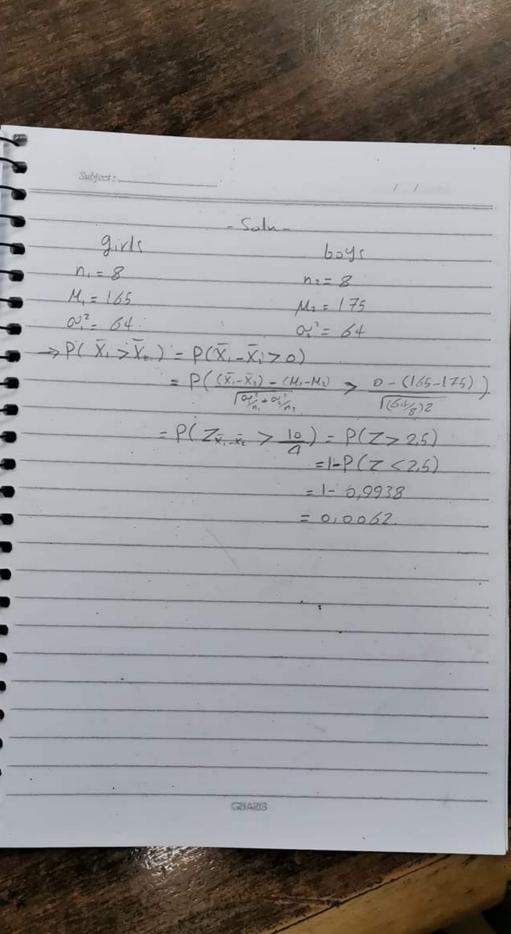




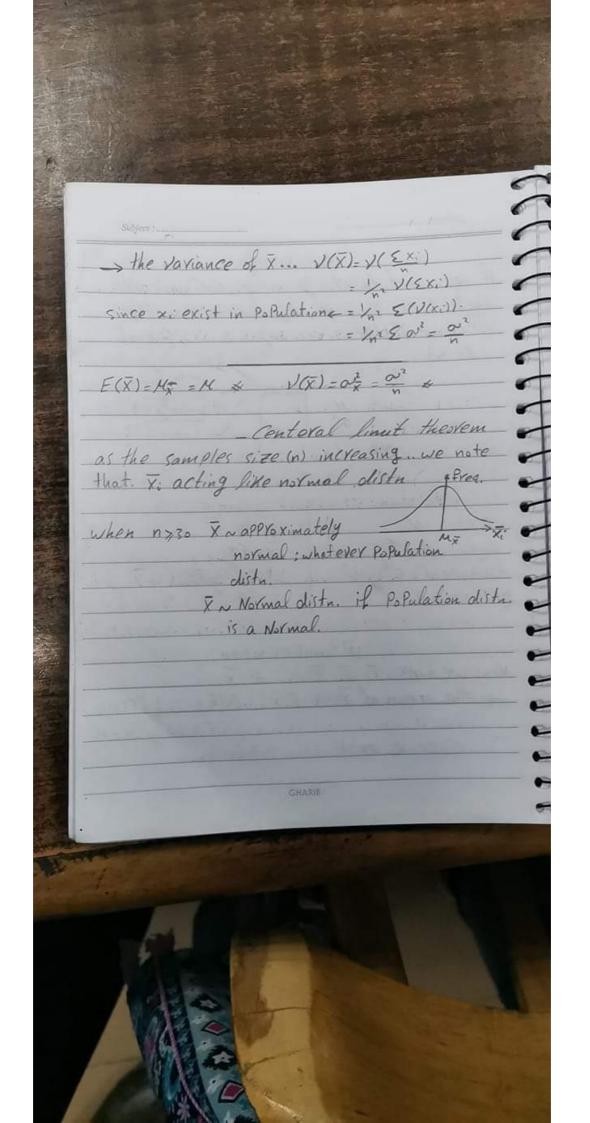


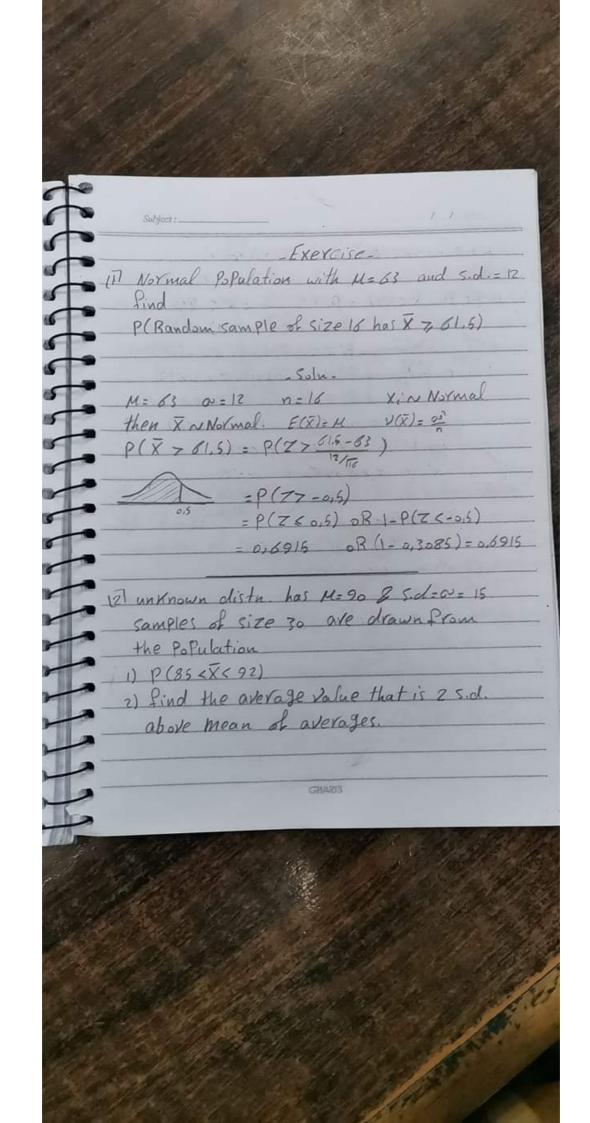


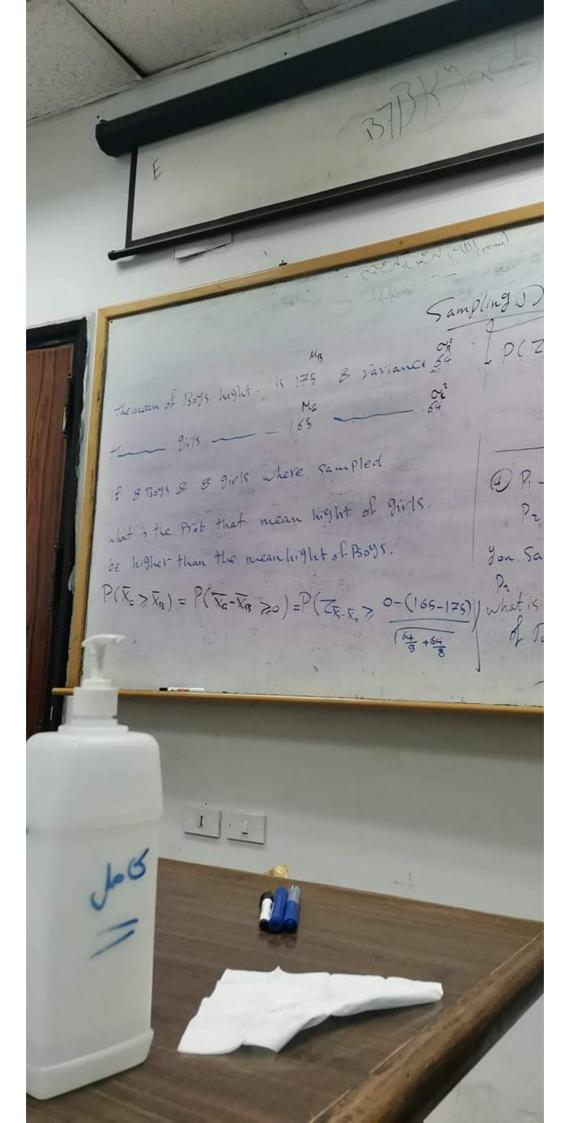












Sampling Distn. Sample mean. $\overline{X_i}$ $\overline{X_i}$ $\overline{X_i}$... $\overline{X_{i'}}$... E(ax)=af(x). Expectation = $E(\overline{x}) = E(\frac{Ex}{n})$ = $\frac{1}{n} E(x + y) = E(x)$ $=\frac{1}{n} \stackrel{?}{\xi} E(x_i)$ Variance = $V(\bar{X}) = V(\bar{X}) = V(\bar{X})$ $V(\bar{X}) = a^{1}V(\bar{X})$

