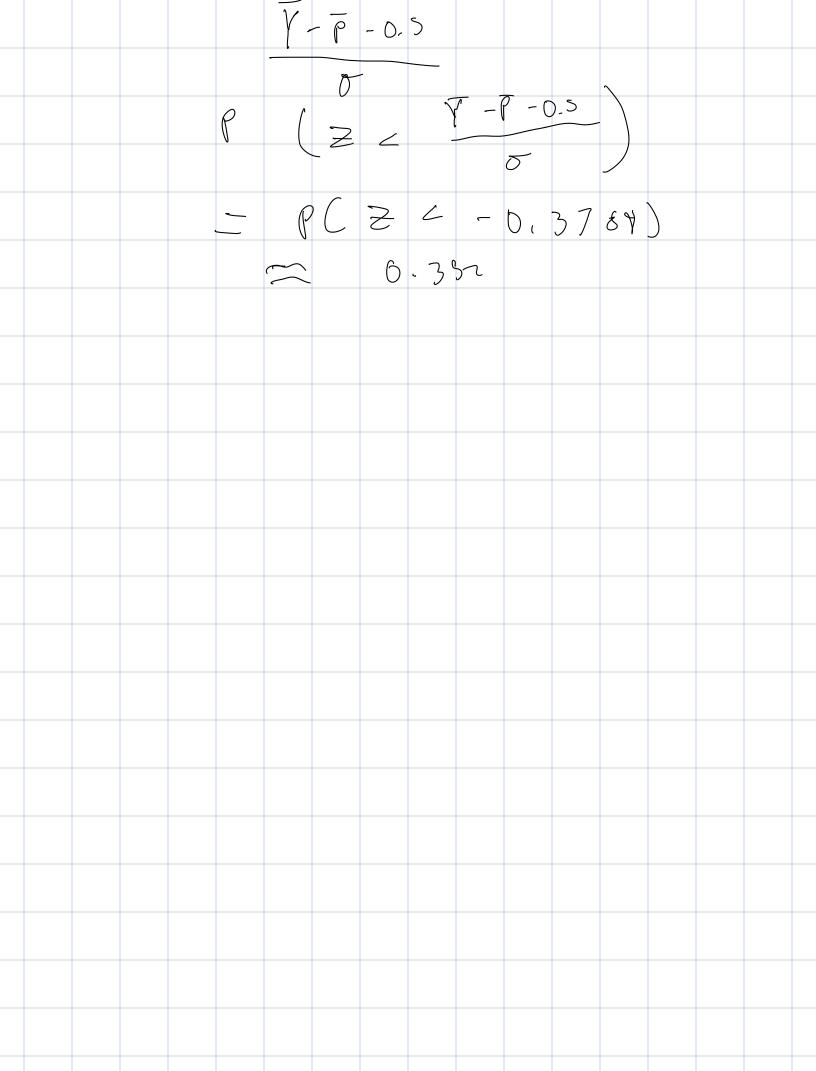
b)
$$\rho = 6.64$$
 $CQ = \left[\frac{6.5}{100}, O\right]$
 $= \left[\rho + 2\sqrt{\frac{\rho \cos \rho}{n}} = 0.065\right]$
 $\rho + 2\sqrt{\frac{\rho \cos \rho}{n}} = 0.065$
 $\rho = 0.04 + 2\sqrt{\frac{(0.0196)}{2}} = 0.063$
 $\rho = 0.8997$

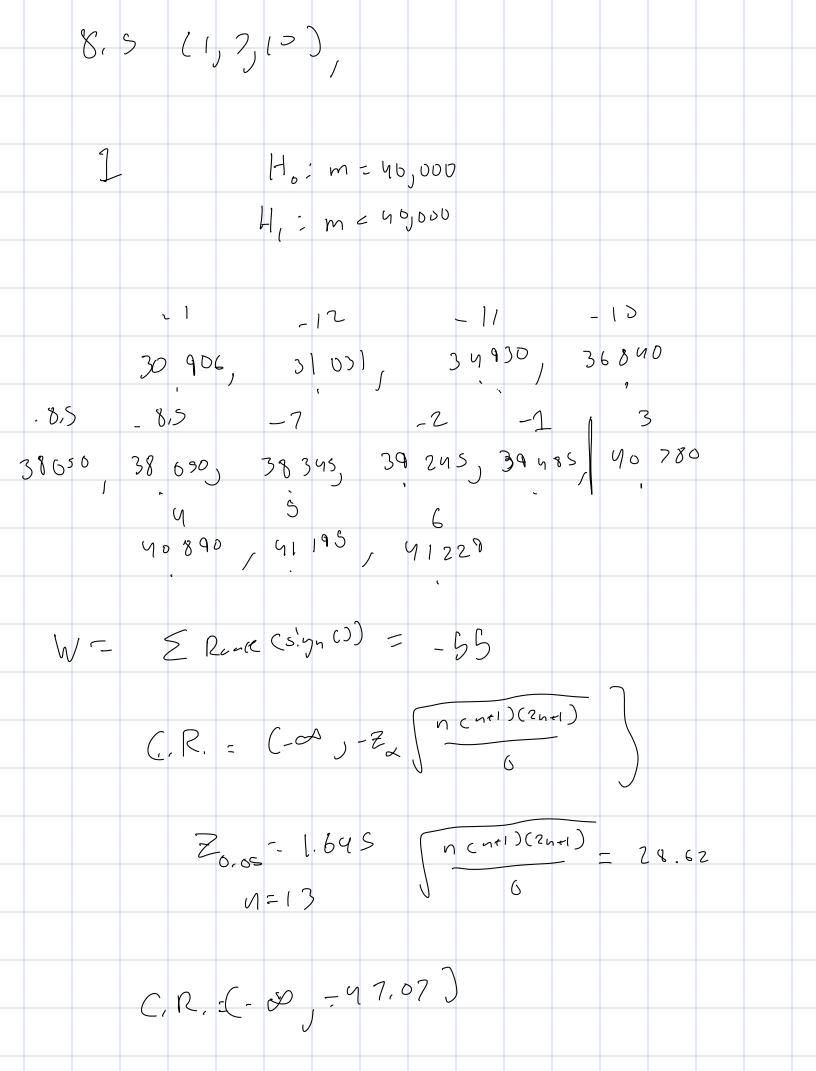
Significance: $\rho = 0.8997$

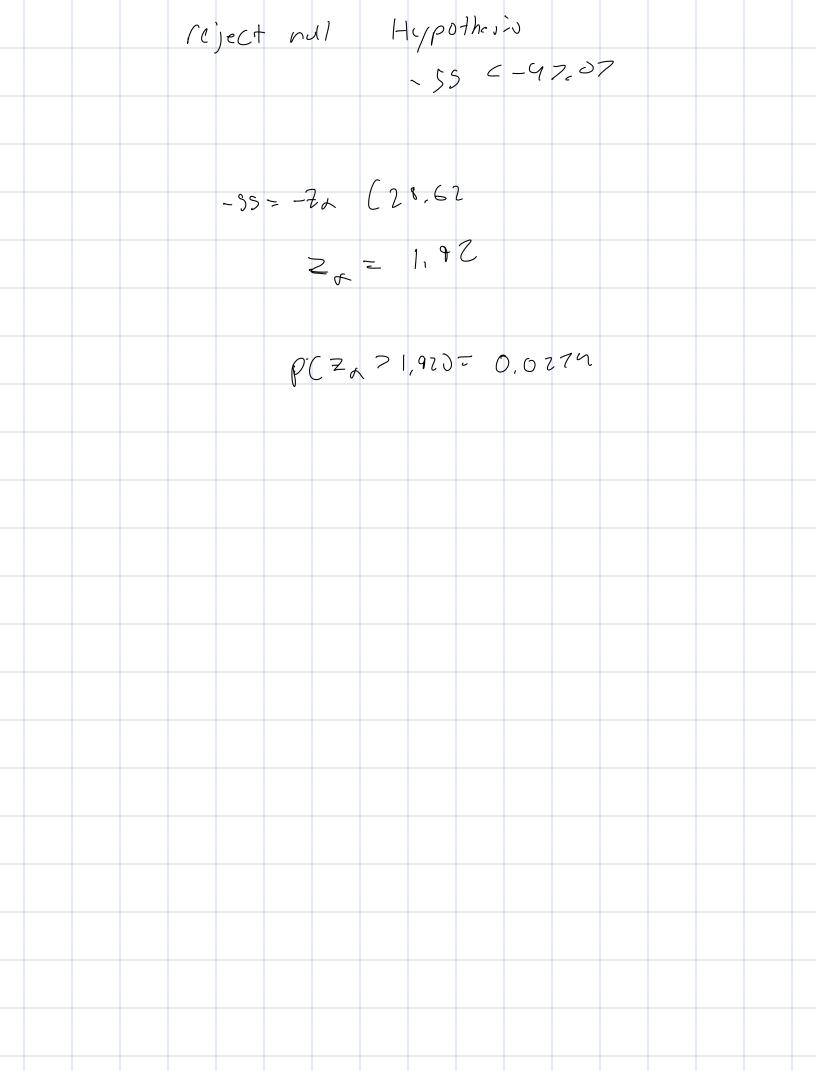
8.4.3
$$Y \sim b(182, P)$$

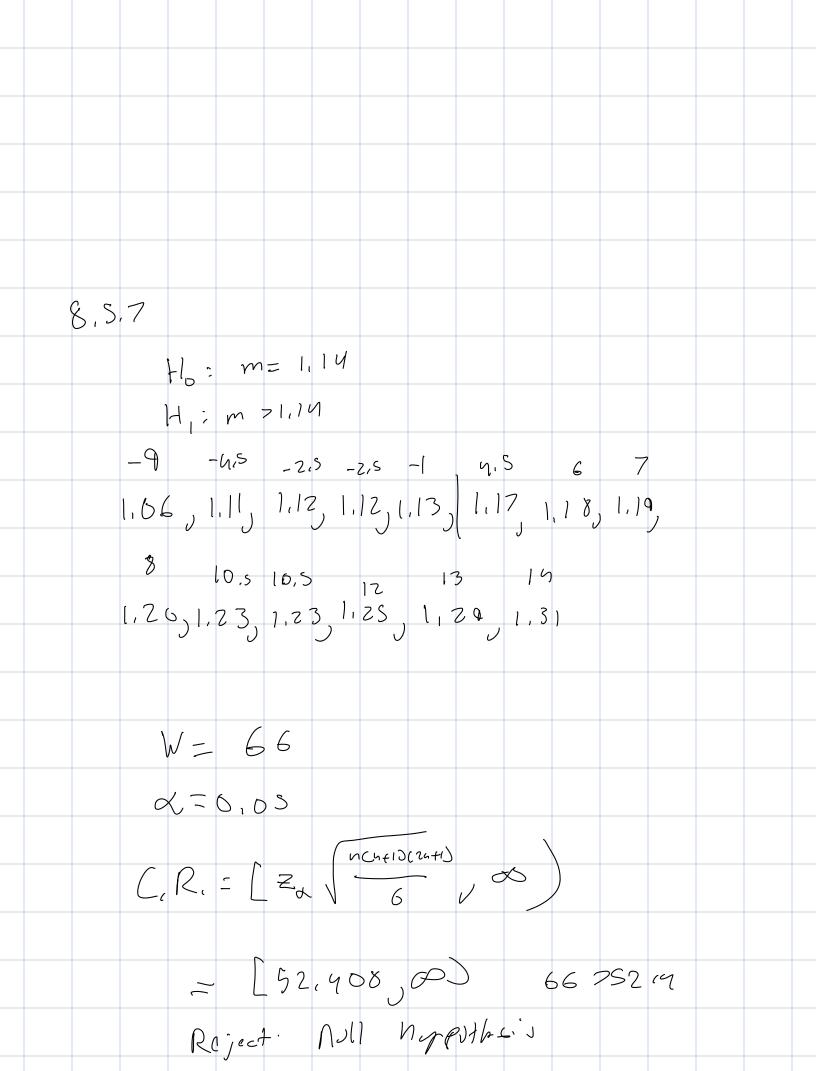
Ho: $P = 0.75$

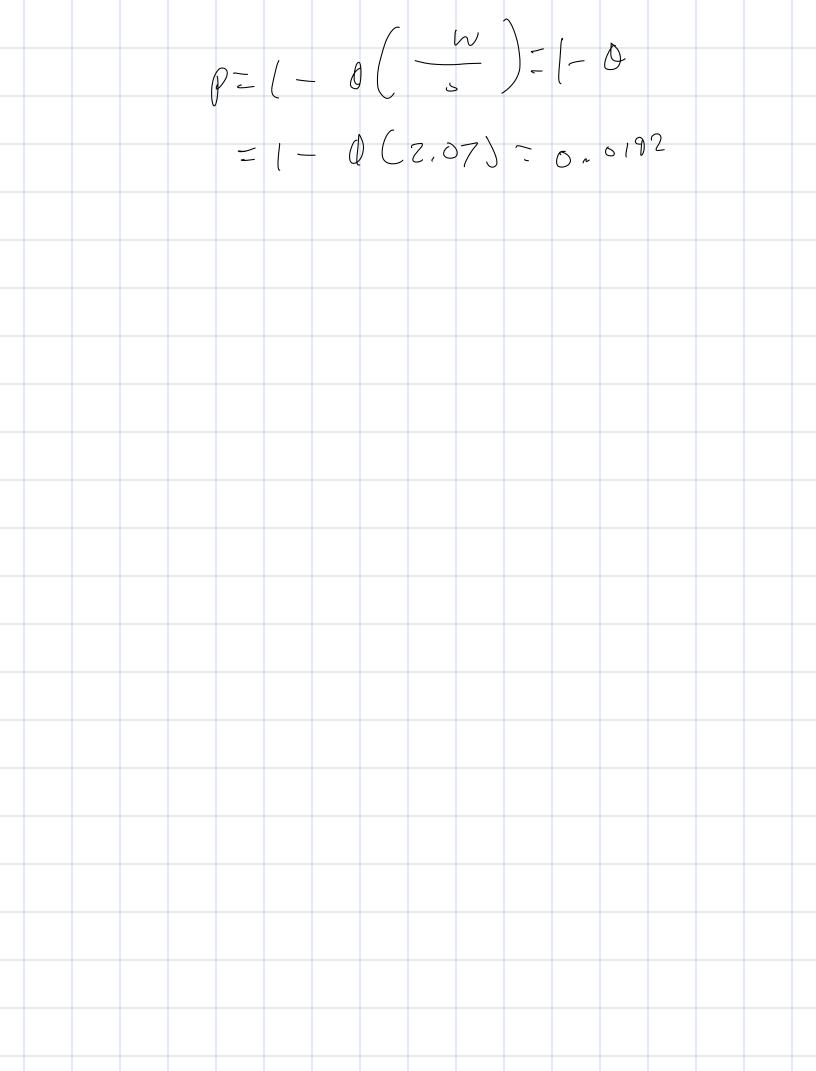
Hi: $P = 0.75$
 $X = P(Y \geq 152; P = 0.25)$
 $X = 142.075 = 1.07$
 $Y - M = Y - 1.09$
 $Z = REXCIPP$
 $Z = P(Z \geq 1.25)$
 $Z = P(Z \geq 1.25)$

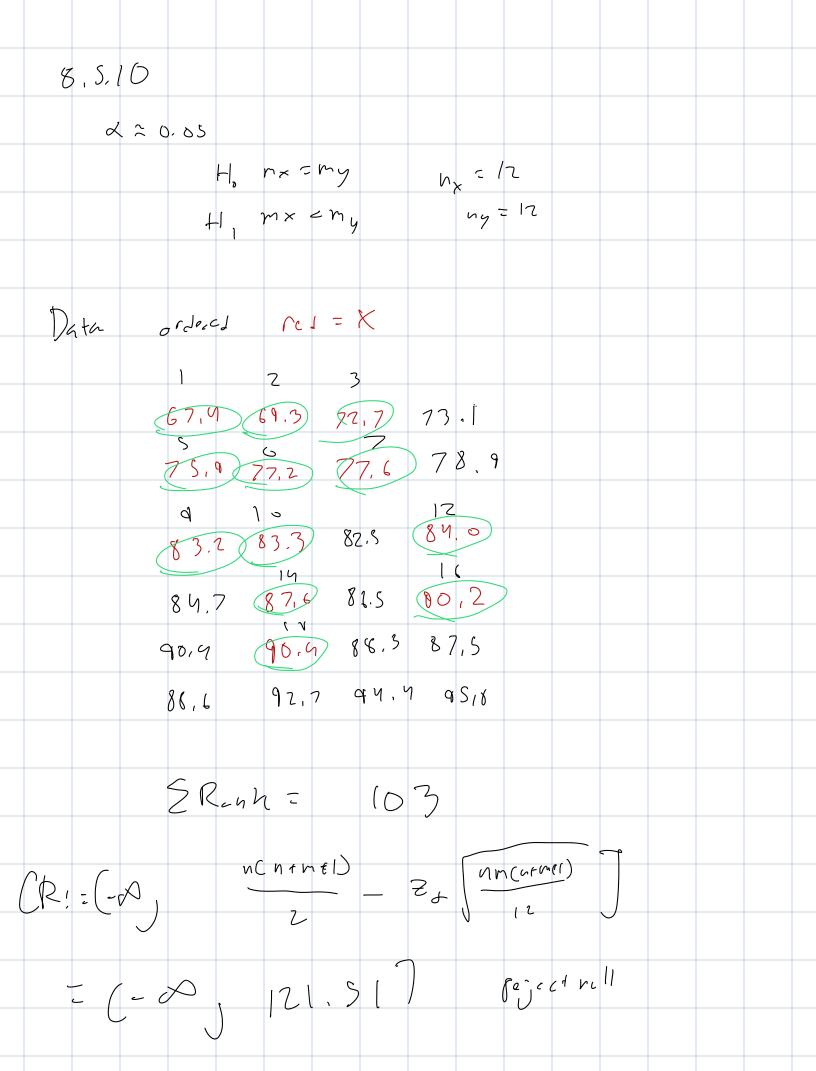












$$8.6.1$$

$$8.6.1$$

$$X \sim N(M, 9)$$

$$H_{6}: M = 25$$

$$H_{7}: M \geq 25$$

$$X_{1} \times_{23} \times_{33} \times_{4}$$

$$C.R_{7}: (-\infty) \times_{23} \times_{23} \times_{33}$$

$$K(M) = P(\bar{x} = 22.5; M)$$

$$= D((n.5 \times \bar{x})^{2}/3)$$

$$R(25) = D(\frac{3}{3})^{2} = 0.8475$$

b)
$$\bar{X} = 24.1225$$

ch wit reject

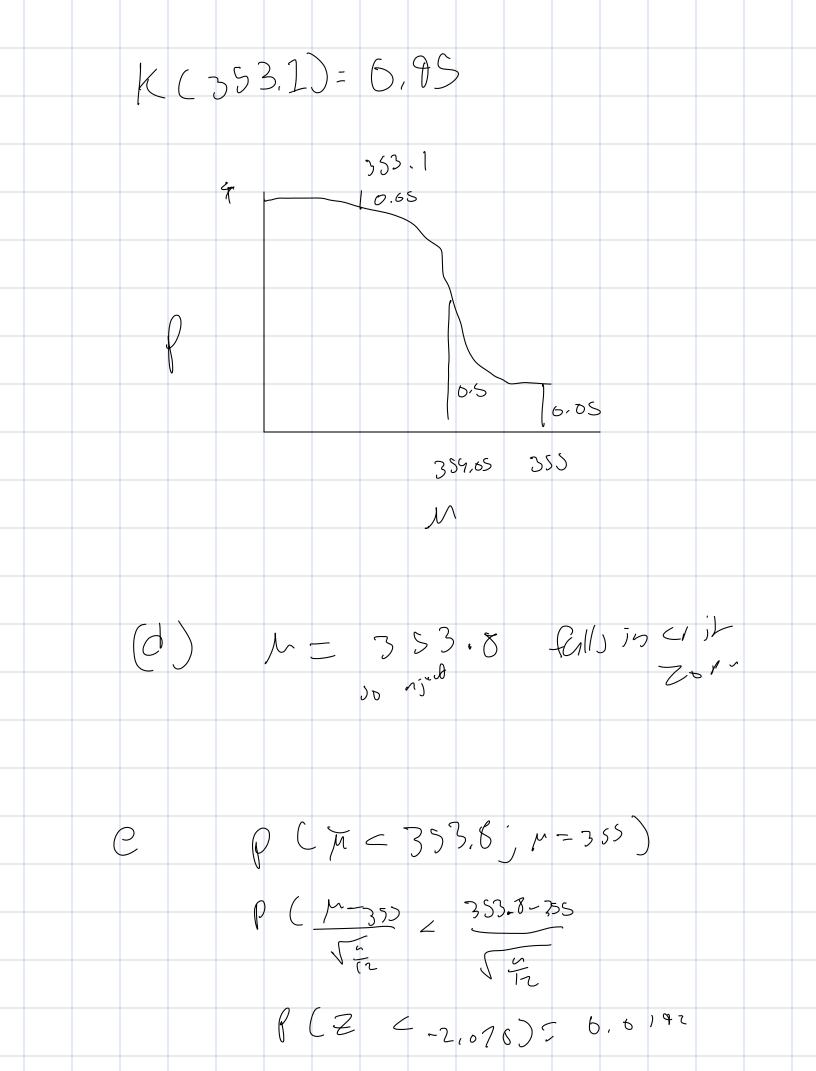
$$P(\bar{X}; M) = 6.19$$

$$C P(\bar{X} = 24.1225; M=25)$$

$$P(\bar{X} = 24.1225; M=25)$$

8.6.2

$$X = N(x, y)$$
 $H_0: r = 355$
 $H_1: n = 355$
 $C = \{x, x = 35 \text{ h.os } \}$
 $N = 12$
 N



8.6-8

$$X - N(x, 190^2)$$
 $H, : n = 715$
 $C = \frac{2}{5}x : x = (68.84)$
 $N = 25$
 $K(M) = D(x = 668.44)$
 $M = 25$
 $M = 25$

