$$\mu = 7$$

$$\begin{cases}
N = (20) & n \ge 0 & \text{T.C.} & 8 = 9 \\
6.8 = x_0 & 8 = x_0
\end{cases}$$

$$R = 2.8$$

$$\overline{X} = 1 \quad \sum_{n=1}^{20} X_{1} \quad (\mu_{1}, \frac{2.8^{2}}{120})$$

$$X_{1}^{-n} \text{ Ph. numa gauacycr. de. litro = meio. v.a.} \quad \Gamma \text{ ph.} I$$

$$\overline{X} = 1 \quad X_{1} \quad X_{2} \quad (\mu_{1}, \frac{2.8^{2}}{120})$$

$$X_{1} = 1 \quad \text{ Ph. numa gauacycr. de. litro = meio. v.a.} \quad \Gamma \text{ ph.} I$$

$$\overline{X} = 1 \quad X_{1} \quad X_{2} \quad X_{3} \quad N \quad (7, \frac{2.8^{2}}{120})$$

$$H_{1} : \mu = 7 \quad \overline{X}_{10} \quad N \quad (7, \frac{2.8^{2}}{120})$$

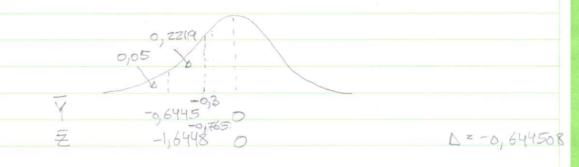
$$H_{1} : \mu < 7 \quad \overline{X}_{10} \quad N \quad (7, \frac{2.8^{2}}{120})$$

$$X_{1} = 1 \quad X_{1} \quad X_{2} \quad X_{3} \quad X_$$

0,21770,01

Not se Rejerto Ho, não é mais acide com \$1/2 sign.

b)
$$X = 10.0$$
 $X = 10.0$ $X = 10$



$$\overline{Z}_{A_0} = \overline{X}_{B_0} = 6,8 - 7,1$$

$$= -0,3$$

$$RC_{\overline{y}} = \overline{J} - \infty, -6,6445 = -0,1 \notin RC_{\overline{y}}$$

$$RC_{\overline{z}} = \overline{J} - \infty, -1,6448 = -0,765 \notin RC_{\overline{z}}$$

Noo de réjeiter à Hipotode He com significanció de 51., ist d'una pode afirmar-de a preposição do exercicio.

> RCXHO J-00,6,51] 6,7.4 RC RCXHO J-00,-46448J -0,899 & RC ZHO 0,18470,05

 $B = P(X_{HI} > 6,51) = NOTM (D(6.51,999, $\frac{218}{\sqrt{1201}}, 6.7) = 0,77136$

1-0,77136 = 0,22863

22,86%

a) MAZ7

teact = Ho Py 21 »it durays comes down to compare a fact with

 $\begin{cases}
\overline{z}_0 = 6.8 & \overline{p} = -0.7824 & \text{the observed.} \\
S = 2.8 & \text{the observed.}
\end{cases}$

X = 0,01 XA = 1 & XAINN(MA, 120)

Ho: 4=7 H1: 4<7

P(X, (Z,) = d [PMJ] + Z, = 6,4053

RC = J-00, 6.4053 J RC J-00, -2,33]

Z = -0,7824 26,8 Não esta denoto da Região de Rejeicce.

RC 6,4053 X -2,33 0