blot: Deade between hypotheses Ho "Not hypothesis" "Basic Assumptor" " lunocent outil proven guilty" Hi "Alternative hypothesis" "siznificant conclision" "beyond reasonable doubt" Straty; chave same sample statistic y and myons Ro R,

acapt the acapt the meet the

regist the meet the Signe are unt to test hypotheses about a population mean, assume normally distributed

Ho: $\mu = 50$ Hi: $\mu = 85$ n = 60 $\sigma^2 = 120$

X = N(M, 120) look tra value xbig so that

if
$$X \ge x_{big}$$
 Hen reject Ho
$$P(X \ge x_{big} \mid H_0) \le 0.001 = 0$$

$$H_0 \longrightarrow \overline{X} = N(50, 12)$$

$$\frac{X-56}{512} = 7$$
 $P(Z=2m) = .001$
 $P(X=512 + 50) = .001$

If me don't know variance

statistic: T

Ro: Tating R: Tating.