(1)  $\delta = 0.0$  |  $\sqrt{n}(x-M)$  | N(0) |

4. X ~ N(M, 82) X = 211322

x nN/N, 82 300039

 $\frac{(7) \frac{(N-1)s^{2}}{s^{2}} \times \chi^{2}(N-1)}{5} = \frac{\sqrt{n}(x-n)}{5} \times t(n-1)$   $\frac{\sqrt{s^{2}}}{5} = \frac{\sqrt{n}(x-n)}{5} \times t(n-1)$   $\frac{\sqrt{s^{2}}}{5} \times \frac{\sqrt{s^{2}}}{5} \times \frac{\sqrt{n}(x-n)}{5} \times \frac{n$ 

X n N (3, 52) Nn (x-3) ~ N10,1)

P(1< x<5) 20.95

コルシャロ にれる

$$\frac{1}{7} \left( \frac{1}{5} \times \frac{1$$

2Nn 2 215 5

100 166

N7165,7656

$$EX = \int_{-\infty}^{\infty} \sqrt{\frac{1}{N_{12}}} e^{-\frac{(y-y_{1})^{2}}{N_{12}}} e^{-\frac{y-y_{1}+y_{1}-2y}{N_{12}}} e^$$

i a = e

12)  $\frac{7}{7} \frac{NN(N,\frac{1}{4})}{NN(N,\frac{1}{4})} = 2(7-M) \frac{NN(0,1)}{NN(0,1)}$   $\frac{27}{7} \frac{12}{7} \frac{1}{12} \frac{1}{12$ 

P(INI=Naos) = 0.90 => M & [ ] = 1-645]

Mm 90% \$ [3 6 16] \$ [-0.7647, 0.8803]