(2) 9 ~ F (7e)  $p(x) = F'(x) = [e^{-x}, x < 0]$ F(x) = Se-telt = 1-e-x Morroet paemegenemes epequero аридженического эпечентов:  $\frac{1}{n} \sum x_i - M_i^2 \int \mathcal{D}_i \mathcal{D}$ 1/2 Zoe: ~ N (MS; DS) US = Jxp(x)dx= Jxe-xdx=  $= -xe^{-x} | f - f e^{-x} dx = e^{-x} | f = 1$ ll {2= 5 x2e-xdx= | = 0+2 Je-xdx=

$$\begin{array}{lll}
\mathcal{R} = 1 \\
\overline{x} \sim N(1, \frac{1}{n}) \\
P(\overline{x}) = \int \overline{n} e^{-(\overline{x}-1)^{2}n} \\
\sqrt{2\pi} & \\
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\sqrt{2\pi} & \\
P(\overline{x}) = C_{24}^{2} (F(\overline{x}))^{2} (1 - F(\overline{x}))^{2} \\
= 25e^{-x} C_{24}^{2} (e^{-x})^{2} (1 - e^{-x})^{2}
\end{array}$$