Bestimmen sie die Distrefentation fy(Y), den Ermantugment py, sowie die Varienz 5,2 des Aussangssignels.

Spanning right X with

-) fx(A) Gan/3

-) px = AU

-) Sx2 = 0,75V2

-) T = TX+15V

Transformation des Distrefunktion:

$$f_{\gamma}(q) = \frac{f_{\chi}(x_n)}{|g'(x_n)|} + \cdots + \frac{f_{\gamma}(x_n)}{|g'(x_n)|}$$

Y= g(x) = 2x +11,5 V= x= \( \frac{1}{2} \left( Y-15 V \right) \) = \( \frac{1}{10} \right) \) = \( \fra

fuly): folice (1-150) (mansformiete æstrefulkion)

$$V_{25}^{2} \sim V$$

$$\frac{\partial y(y)}{\partial y(y)} = \frac{\partial x(x_1)}{\partial x(x_1)} + \cdots + \frac{\partial x(x_n)}{\partial x(x_n)} = 2$$

$$\frac{\partial y(y)}{\partial x(x_n)} = \frac{1}{2} \cdot \frac{1}{|x_1|} \frac{1}{|x_2|} \cdot e^{-\frac{1}{2}x} \cdot \frac{1}{|x_2|} \frac{1}{|x_2|} = 2$$

$$\frac{1}{2} \cdot \frac{1}{|x_1|} \frac{1}{|x_2|} \cdot e^{-\frac{1}{2}x} \cdot \frac{1}{|x_1|} \frac{1}{|x_2|} \cdot e^{-\frac{1}{2}x} \cdot \frac{1}{|x_1|} \frac{1}{|x_2|} = 2$$

Goup = 
$$\frac{1}{\sqrt{2\pi}} \cdot \frac{1}{2} \cdot \frac{1$$