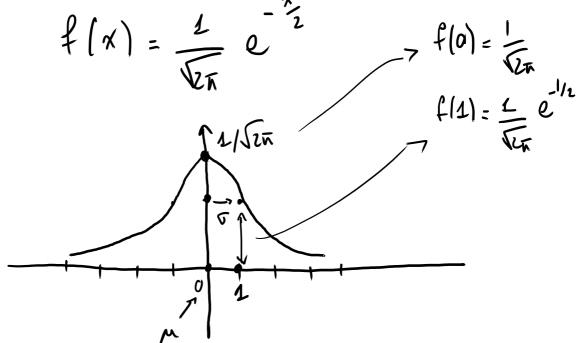
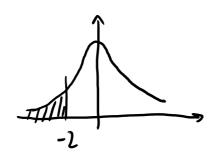
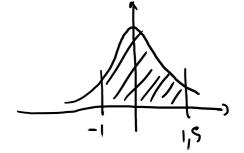
$$f(x) = \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}}$$



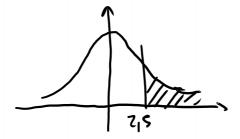
2)



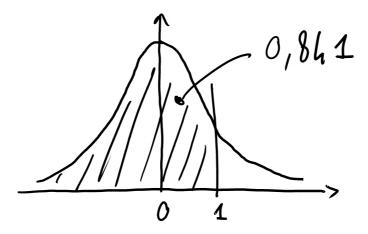
b)



0

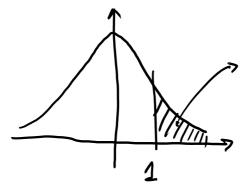


Ex2:



1.
$$P(X \leftarrow 1) = P(X \leftarrow 1) = 0,8 + 1$$

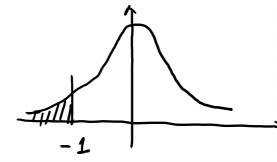
2.



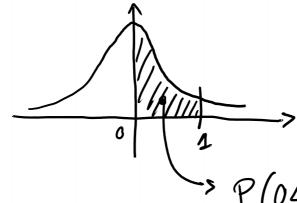
$$P(x>1) = 1 - P(x=1) =$$

= 1 - 0,841 = 0,159

3.



4.



$$P(-\infty \angle \times \angle +\infty) = 1$$

$$\Rightarrow P(\times \angle 0) = \frac{1}{2}$$

$$P(0 \le x \le 1) = P(x \le 1) - \frac{1}{2} =$$

= 0,861-0,5 = 0,361