b)
$$P(Ae[3,7]) = ? = \frac{5}{11}$$

$$\sum_{X=3}^{7} P(X)$$

Aria totala = 1
$$h = \frac{1}{1}$$

$$W(x) = \begin{cases} \frac{1}{1!} & \text{if } x \in [0, 1] \\ 0 & \text{if } x \in [0, 1] \end{cases}$$

c).
$$P(Ae(0,2)) = \int_{0}^{2} w(x) dx = \frac{2}{11} = 9.6366 = 63.66\%$$

b).
$$P(A > 1) = \int_{-\infty}^{\infty} = \int_{-\infty}^{\infty} w(x) dx = \frac{\pi - 1}{\pi} = \dots$$

$$\int_{-\infty}^{\infty} w(x) dx = \int_{-\infty}^{\infty} \frac{1}{\pi} dx = \frac{1}{\pi} \cdot x \Big|_{-\infty}^{\infty} = \frac{\pi - 1}{\pi}$$

FA(4) = P(A 64) =1

$$\frac{1}{4\pi} (x) = \frac{1}{4\pi} = \frac{1}{4\pi} (x)$$

$$\frac{1}{4\pi} (x) = 0$$

$$\frac{1}{4\pi} (x) =$$

$$\overline{T}_{A}(1) = \mathcal{F}(A \leq 1) = \frac{1}{|I|}$$

$$F_A[T] = P(A \notin T) = 1$$

e).
$$B=A-2$$

$$= \sum_{-2}^{N_B(x)}$$

a)
$$P(A \in [2, 4]) = ?$$

$$= \begin{cases} 4 \\ w(x) dx = \end{cases}$$

$$\frac{1}{2} = \frac{F(4) - F(2)}{P(A + 4)} = 0.74 - 0.58 = 0.16$$

$$F(4) = \frac{1}{2} \left(1 + \text{erf} \left(\frac{4 - 1}{\text{Fo} \cdot \sqrt{2}} \right) = 0.74$$

$$F(2) = \frac{1}{2} \left(1 + \text{erf} \left(\frac{2 - 1}{\sqrt{40}} \right) \right) = 0.58$$

$$P(A > 1) =$$

$$\frac{1}{A} = \frac{1}{A} = \frac{1$$

 $M(x) = \frac{1}{\sqrt{1-x^2}} \cdot e^{-\frac{x^2}{2\sqrt{2}}}$

 $\mp(x) = \frac{1}{2}\left(1 + \exp\left(\frac{x - \mu}{\sqrt{x}}\right)\right)$

$$P(A \leq L) = ?$$

$$A \in (-\infty, 1]$$

$$P(A \leq L) = ?$$

$$P(A \leq -\infty)$$

$$\frac{\text{Discrite}}{P(A < I)} = P(A \le I) \qquad (v.o.contine)$$

C).
$$W(x)$$
 Existing maximal la $x = 1(\mu)$ / $8i$ vol. max = $\frac{1}{\sqrt{20 \cdot 21}}$ e = $\frac{1}{\sqrt{40 \cdot 10}}$

$$P(5,5,5) = \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$$

$$P(2001 = 5) & (2002 = 5) & (2483 = 5) = P(2481 = 5) \cdot P(2483 = 5)$$

$$P(x > 0) | y > 0 | x | 7 > 0) = P(x > 0) \cdot P(y > 0) \cdot P(x > 0) = (0.85)^{3}$$

$$P(x > 0) = \int_{0}^{\infty} w(x) dx = \mp(\infty) - \mp(0) = 1 - 0.15 = 0.85$$

$$\mp(0) = \frac{1}{2} \left(1 + \text{erf}\left(\frac{0 - 1}{\sqrt{2}}\right)\right) = 0.15$$

$$\int \int \int d^2 x \int \int \int d^2 x dx = \int \partial x dx$$

$$\frac{1}{\sqrt{\sqrt{211}}} \cdot e^{-\frac{2\sqrt{2}}{\sqrt{2}}}$$

$$P((A,B,c) \text{ in juril } (z,-6,3)) = ?$$

$$W_{A}(z)$$
 $W_{B}(-6)$
 $W_{B}(-6)$
 $W_{B}(-6)$

$$W_{c}(3)$$
 $\frac{4}{6\pi}$
 $e^{-\frac{4}{6}}$

$$= \left(\frac{1}{\sqrt{6\pi}}\right)^{3} \cdot \frac{-\frac{9}{6}}{\frac{1}{e^{\frac{9}{6}}}}$$

$$P((A_1B_1c) \hat{m} | \text{juni} (-z_1-3_1z)) = ?$$

$$\frac{1}{\sqrt{6\pi}} \cdot e^{\frac{3}{6}} \cdot \frac{1}{\sqrt{6\pi}} \cdot e^{\frac{3}{6}} = \left(\frac{1}{\sqrt{6\pi}}\right)^{\frac{3}{6}}$$

$$\mathcal{H} = \frac{3}{6} = \left(\begin{array}{c} 1 \\ \hline \end{array} \right)$$

