$$P(A>1) \qquad h = \frac{1}{11} \qquad \text{because}$$

$$0 \leq 1 \leq 1$$

b).
$$P(A \geqslant A) = h \cdot (\pi - A) = \frac{\pi - A}{\Pi} = 0.68$$

c).
$$P(Ae(0iz)) = h \cdot 2 = \frac{2}{11} = \cdots$$

$$W(x) = \begin{cases} 0, & x \notin (0, \overline{u}) \\ \frac{1}{|u|}, & x \in (0, \overline{u}) \end{cases}$$

$$\mp (x) = \left\{ \frac{1}{11} \cdot x , x \in (0, T) \right\}$$

$$\frac{1}{11} \cdot x \cdot x \in (0, T)$$

$$\frac{1}{\pi} x = \frac{1}{\pi} \int_{-\pi}^{\pi} dx$$

$$\chi = \frac{\chi}{\chi}$$

a)
$$P(A \in [2, 4]) = \frac{\mu c_{12}}{\mu c_{12} \mu c_{13} \mu c_{1$$

$$\pm (x) = \frac{1}{2} \left(1 + \text{erf} \left(\frac{x - \mu}{\sqrt{1 \cdot \sqrt{2}}} \right) \right)$$

$$\Rightarrow \mp(2) = \frac{1}{2}(1+\exp\left(\frac{2-1}{\sqrt{2}}\right)) = \frac{1}{2}\left(1+\exp\left(\frac{1}{2}\right)\right) = 0.76$$

$$\frac{1}{2} = \frac{1}{2}(1+e^{2}) = \frac{1}{2}(1+e^{2}) = \frac{1}{2}(1+e^{2})$$

$$\frac{1}{2}(1+e^{2}) = \frac{1}{2}(1+e^{2}) = \frac{1}{2}(1+e^{2}) = \frac{1}{2}(1+e^{2})$$

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$$\frac{1}{2}(1+e^{2}) = \frac{1}{2}(1+e^{2}) = \frac$$

$$M^{\mathbb{R}}(x) = \frac{1}{3}$$

c). Max is reached for
$$x = \mu = 1$$

$$W(x) = \frac{1}{\sqrt{12\pi}} \cdot e^{-2\pi}$$

$$W_{A}(1) = W_{A}(\mu) = \frac{1}{\sqrt{12\pi}} \cdot e^{-2\pi}$$

(3) a) Al nealitations (0,11,... 10)

c)
$$P(\text{import}) = \frac{5}{11}$$

b) $P(A \in (3,7]) = \frac{7}{11}$
 $P(A \in (3,7]) = \frac{4}{11}$

$$P(x \ge 0) \quad AND \quad Y \ge 0$$

$$P(x \ge 0) \quad P(y \ge 0) \quad P(z \ge 0) = 0.15$$

$$P(x \ge 0) \quad P(y \ge 0) \quad P(z \ge 0) = 0.15$$

$$P(x \ge 0) \quad P(x \ge 0) \quad P(z \ge 0) = 0.15$$

$$P(x \ge 0) \quad P(x \ge 0) \quad P(z \ge 0) = 0.15$$

$$P(x \ge 0) \quad P(x \ge 0) = \int_{1}^{3} |x| dx$$

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

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b).
$$x_{1}y_{1} = \frac{3}{2}$$

$$d(K_{1}y_{1}) = \sqrt{3} = 3$$

$$d(K_{1}y_{1}) = \sqrt{3} = 3$$

$$f(x_{1}y_{1}) = \sqrt{3$$

$$\frac{A^{2}}{A^{2}} = \int_{-\infty}^{\infty} x^{2} \cdot w(x) dx = \int_{-\infty}^{10} x^{2} \cdot \frac{1}{8} dx = \frac{1}{8} \cdot \frac{x^{3}}{3} \Big|_{0}^{10} = \frac{1}{8} \left(\frac{10^{3}}{3} - \frac{z^{3}}{3} \right) = \frac{942}{224}$$

$$= \frac{1}{8} \cdot \frac{x^{3}}{3} \Big|_{0}^{10} = \frac{1}{8} \left(\frac{10^{3}}{3} - \frac{z^{3}}{3} \right) = \frac{942}{224}$$

$$= \int_{-\infty}^{10} \left(x - \frac{1}{8} \right) \cdot w(x) dx = \int_{0}^{10} \left(x - 6 \right)^{2} \cdot \frac{1}{8} dx$$

$$= \int_{0}^{10} \left(x^{2} - 12x + 36 \right) dx = \int_{0}^{10} \left(x - 6 \right)^{2} \cdot \frac{1}{8} dx$$

$$= \int_{0}^{10} \left(x^{2} - 12x + 36 \right) dx = \int_{0}^{10} \left(x - 6 \right)^{2} \cdot \frac{1}{8} dx$$

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$$= \int_{0}^{10} \left(x^{2} - 12x + 36 \right) dx = \int_{0}^{10} \left(x - 6 \right)^{2} \cdot \frac{1}{8} dx$$

$$= \int_{0}^{10} \left(x - \frac{1}{8} \right) \cdot \frac{36}{2} \left(x - \frac{1}{8} \right) dx$$

$$= \int_{0}^{10} \left(x - \frac{1}{8} \right) \cdot \frac{36}{2} \left(x - \frac{1}{8} \right) dx$$

$$= \int_{0}^{10} \left(x - \frac{1}{8} \right) \cdot \frac{36}{2} \left(x - \frac{1}{8} \right) dx$$

$$= \int_{0}^{10} \left(x - \frac{1}{8} \right) \cdot \frac{36}{2} \cdot \frac{1}{8} dx$$

$$= \int_{0}^{10} \left(x - \frac{1}{8} \right) dx$$

$$= \int_{0}^{10} \left(x -$$