Bai 1.

X la' sô' lan' this bus (an thuit (91=1,2,3) Go: A: la an cô' lay đị lour tok ở làm thuic.

$$P(x=1) = P(A_1) = \frac{C_{1y}^{1}}{C_{20}^{1}} = \frac{9}{10}$$

$$P(x=2) = P(A_1) \cdot P(A_2)$$

$$= \frac{\binom{1}{2}}{\binom{1}{3}} \cdot \frac{\binom{1}{3}}{\binom{1}{3}} = \frac{9}{95}$$

$$P(x=3) = P(A_1) \cdot P(A_2) \cdot P(A_3)$$

$$= \frac{1}{190}$$

(1)
$$\int s^{1} \int s^{2} ds^{2} + ds^{2} + ds^{2} = 1 + \frac{9}{10} + 2 \cdot \frac{9}{95} + 3 \cdot \frac{1}{190}$$

$$= \frac{21}{19}$$

$$P(x) = \left(1^{2} \cdot \frac{9}{10} + 2^{2} \cdot \frac{9}{95} + 3^{2} \cdot \frac{1}{190}\right) - \left(\frac{21}{19}\right)^{2}$$

0)
$$P(x < x < 3) = P(x = 2) + P(x = 3)$$

= $\frac{9}{50} + \frac{1}{190} = \frac{1}{10}$

$$\int_{-b}^{b} f(n) dn = 1$$

$$E(\pi) = \int_{-\infty}^{+\infty} \int_{-\infty}^{\infty} \chi_{1}(x) dx = \int_{-\infty}^{+\infty} \int_{-\infty}^{\infty} \frac{2}{e^{-2x}} dx = \frac{3}{2}$$

$$D(R) = \int_{-\infty}^{+\infty} f(x) dx - \left(E(x)\right)^2 = \frac{5}{2} \left(\frac{3}{2}\right)^2 = \frac{1}{4}$$

d)
$$P(\alpha(x(2)) = \sqrt{\frac{2}{6-2}} \cdot e^{-2\pi t} dx = 0.8646$$

Ham ppsx +m:

$$\lim_{x\to -\infty} F(x) = 0 , \quad \lim_{x\to +\infty} F(x) = 1$$

$$3 = \frac{2}{\pi}$$

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(a)
$$f(x) = F'(x) = \begin{cases} c & \text{neil} \\ \frac{2}{T(\sqrt{1-x^2})} & \text{neil} \\ \frac{2}{T(\sqrt{1-x^2})} \end{cases} \propto F'(x)$$