a)
$$P(x_1>1) = \frac{5}{10}$$

c)
$$P(x=4) =$$

$$X \sim \begin{pmatrix} 1 & 2 & 3 & 4 & 6 & 9 \\ & & \frac{4}{25} & & & \end{pmatrix}$$

$$P(X_1, X_2=4) = P(X_1=2, 9, X_2=2) = \frac{4}{10} \cdot \frac{4}{10} = \frac{16}{100} = \frac{8}{50} = \frac{4}{25}$$

$$P(X_{1} \cdot X_{2}=4) = P(X_{1}=2) \stackrel{\circ}{n} X_{2}=2) = \frac{4}{10} \cdot \frac{4}{10} = \frac{16}{100} = \frac{8}{50} = \frac{4}{25}$$

$$\Rightarrow \text{ desfacem}$$

$$d) P(X=2|X_{2}<1) = P(X=2|X_{2}=1) = \frac{P(X=2|X_{2}=1)}{P(X_{2}=1)} = \frac{P(X_{1}\cdot X_{2}=2) \cap X_{2}=1}{P(X_{2}=1)} = \frac{P(X_{1}\cdot X_{2}=2) \cap X_{2}=1}{P(X_{1}\cdot X_{2}=2)} = \frac{P(X_{1}\cdot X_{2}=2)}{P(X_{2}=1)} = \frac{P(X_{1}\cdot X_{2}=2)}{P(X_{2}=1)} = \frac{P(X_{1}\cdot X_{2}=2)}{P(X_{1}\cdot X_{2}=2)} = \frac{P(X_{1}\cdot X_{2}=2)}{P(X_{1}\cdot X_{2}=2)} = \frac{P(X_{1}\cdot X_{2}=2)}{P(X_{1}\cdot X_{2}=2)} = \frac{P(X_{1}\cdot X_{2}=2)}{P(X_{1$$

$$= \underbrace{P[(x_1=1) \mid x_2=2 \mid x_2=1) \mid \cup (x_q=2 \mid x_2=1)]}_{P(x_1=2 \mid x_2=1)} = \underbrace{P(x_1=2 \mid x_2=1)}_{P(x_2=1)} = \underbrace{\frac{4}{10}}_{P(x_2=1)}$$

$$F = \begin{cases} 0 & x < 0 \\ \frac{x}{2} & 0 \leqslant x < 2 \\ 1 & 2 \leqslant x \end{cases}$$

a)
$$E(x-Y) = E(x) - E(Y) = 0$$
 cā au acc. $f.di$ rupantit
b) $P(x^2 \times 4n y^2 \times 4) = P(x^2 \times 4) \cdot P(Y^2 \times 4) =$

$$=(1-0)\cdot(0+x-x-0)=1.0=0$$