$$P(1, r \in x \in 2) = \int_{1, r}^{2} \frac{2x-1}{10} dx = \frac{1}{10} \left[x^{2} - x \right]_{1, r}^{2} = \frac{3.7 r - 0.7}{10} = 0.12 r$$

$$P(1,2 \in \mathbb{Z} \in \Gamma,2) = \int_{1}^{2} \frac{2x-1}{10} + \int_{1}^{\Gamma,2} O_{1} \cdot 4dv = \frac{1}{10} (2, \Gamma_{6} - 0, 8) + 0,48 =$$

b)
$$E[x] = \int_{1}^{2} x \frac{2x-3}{10} dx + \int_{1}^{6} 0.4x dx =$$

$$=\frac{1}{10}\left[\frac{x^2}{4}\frac{2x^3}{3}-\frac{x^2}{2}\right]_3^2+0,4\left[\frac{x^2}{2}\right]_4^6=0,31667+4=\frac{1}{3},31667$$

$$=\frac{1}{10}\left[\frac{2xe^{6x}}{t}-\frac{2e^{6x}}{t^2}\right]_{5}^{2}-\left[\frac{e^{6y}}{t}\right]_{5}^{2}+o_{y}4\left[\frac{e^{6y}}{t}\right]_{4}^{6}=$$

$$= \frac{1}{10} \left(\frac{3e^{2t} - c^{t}}{t} - \frac{2e^{2t}}{t^{2}} + \frac{2e^{t}}{t^{2}} \right) + \frac{0.4e^{4t}(e^{2t} - 1)}{t}$$