integration $\overline{t}_1 = S_0 \times S_0 = \frac{x^4}{3} l_0 = \frac{2}{3}$ $\overline{t}_2 = S_1 = x$ V~ uniform (0,1) if $U \angle \frac{1}{3}$ iver $V = \frac{x^4}{3}$, with $3U = x^4$ x = (3w)else invert methol for FI

Q2:

V= K