Θέμα 4^{ο}

α) $\mathrm{K} = \frac{\mathrm{W}_1}{\mathrm{W}_2} \Rightarrow \mathrm{K} = \frac{100}{10} \Rightarrow \mathbf{K = 10}$

β) $\frac{W_1}{W_2} = \frac{U_1}{U_2} \Rightarrow \frac{100}{10} = \frac{100}{U_2} \Rightarrow 100 \cdot U_2 = 100 \cdot 10 \Rightarrow 100 \cdot U_2 = 1000 \Rightarrow \frac{100 \cdot U_2}{100} = \frac{1000}{100} \Rightarrow$

$\frac{\cancel{100} \cdot U_2}{\cancel{100}} = \frac{10\cancel{00}}{1\cancel{00}} \Rightarrow \boldsymbol{U_2 = 10\ V}$

γ) $u_K\% = \frac{U_{1K}}{U_{1N}} \cdot 100 \Rightarrow u_K\% = \frac{5}{100} \cdot 100 \Rightarrow u_K\% = \frac{500}{100} \Rightarrow u_K\% = \frac{5\cancel{00}}{1\cancel{00}} \Rightarrow \boldsymbol{u_K\% = 5\ \%}$