d) a) As with 3e), custom matlab script used to solve a, b and

poles: $-6,667 \pm 9,870j$ for $\%OS = 12$ and $T_s = 0,65$

b) poles: $-0,8000 \pm 1,0915i$ for $\%OS = 10$ and $T_s = 10s$

c) poles at $-\frac{4}{7} \pm 1,0472$ for $T_s = 7$ and $T_p = 3$