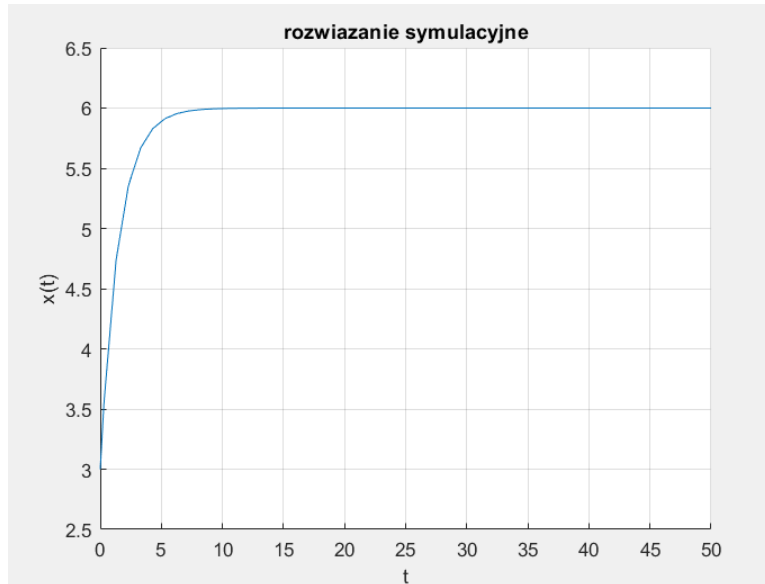


2. a) $\dot{x}(0) = 0$

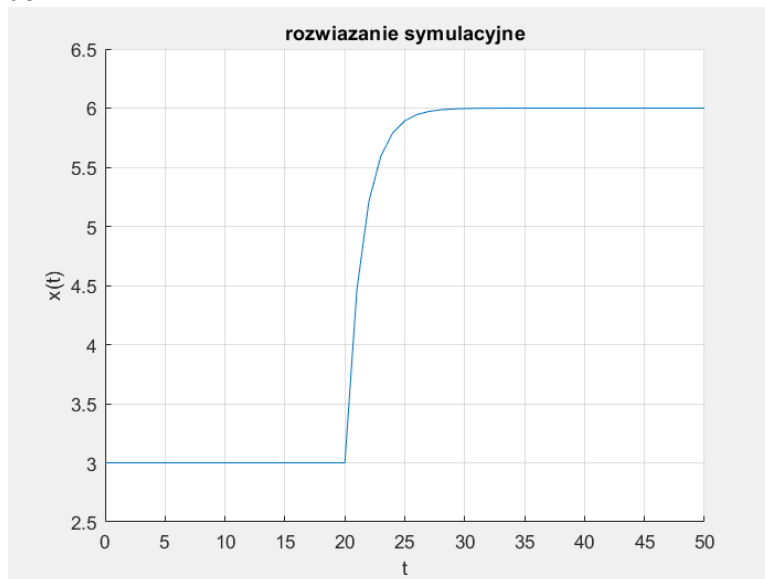
$t_0=0, u_0=1$



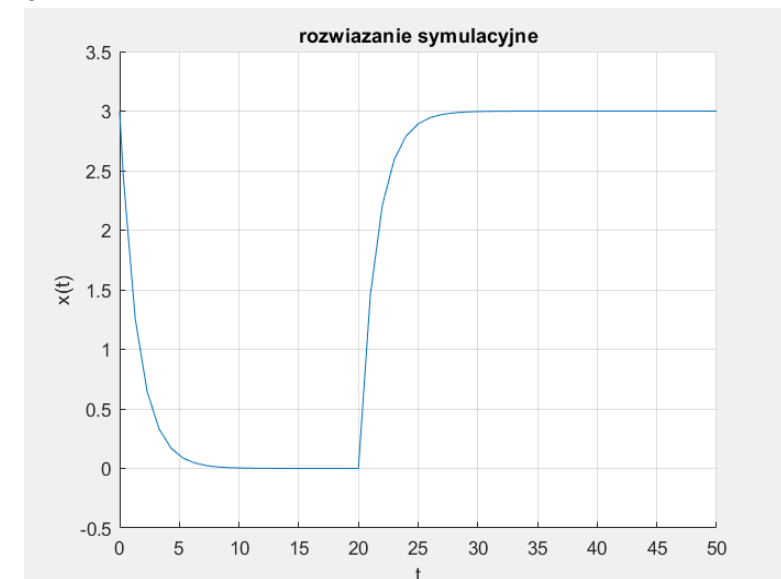
$t_0=0, u_0=0$



$t_0=20, u_0=1$

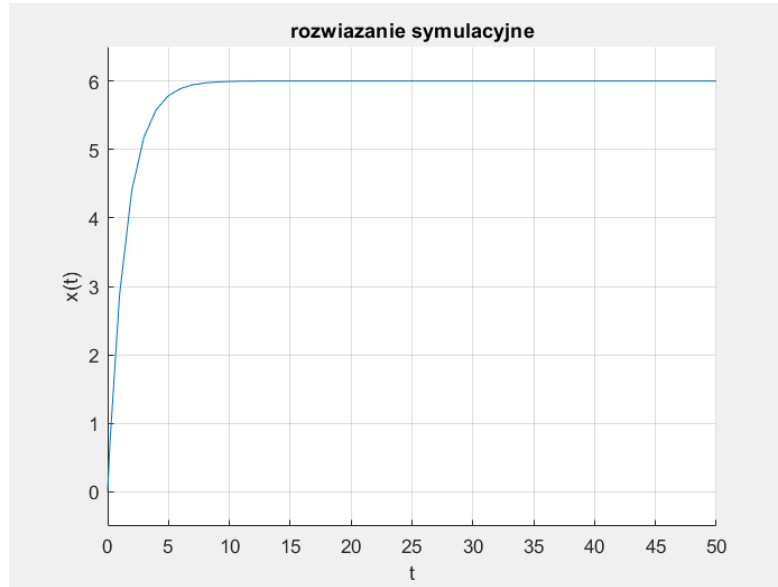


$t_0=20, u_0=0$

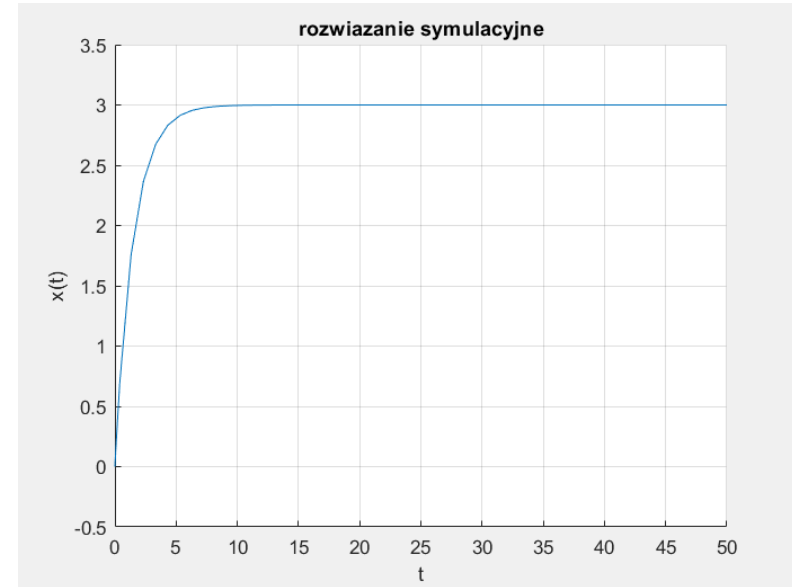


2. a) $x(0) = 0$

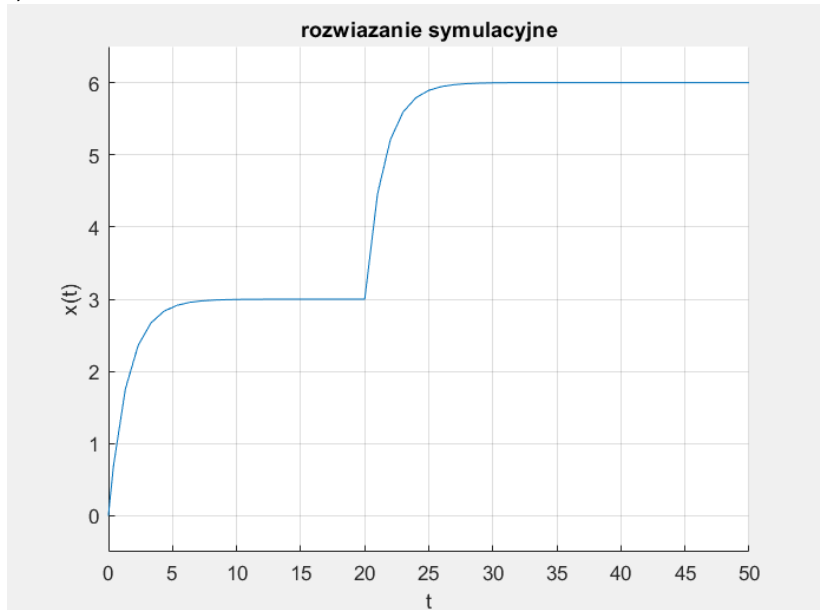
$t_0=0$, $u_0 =1$



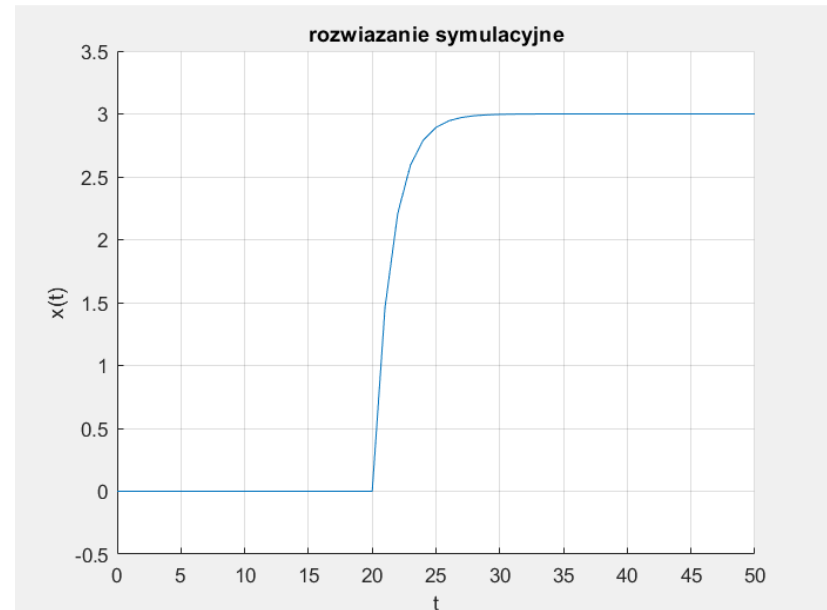
$t_0=0$, $u_0 =0$



$t_0=20$, $u_0 =1$

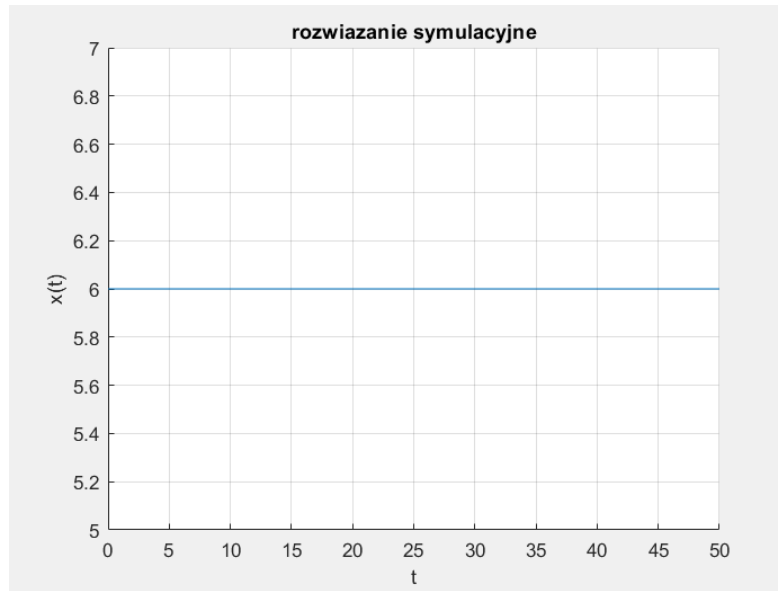


$t_0=20$, $u_0 =0$

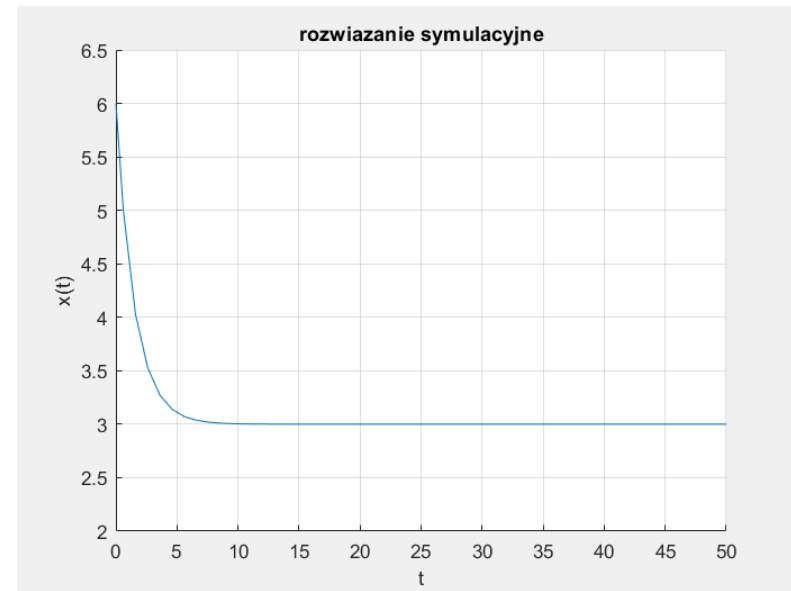


c) $x(0) = 6$

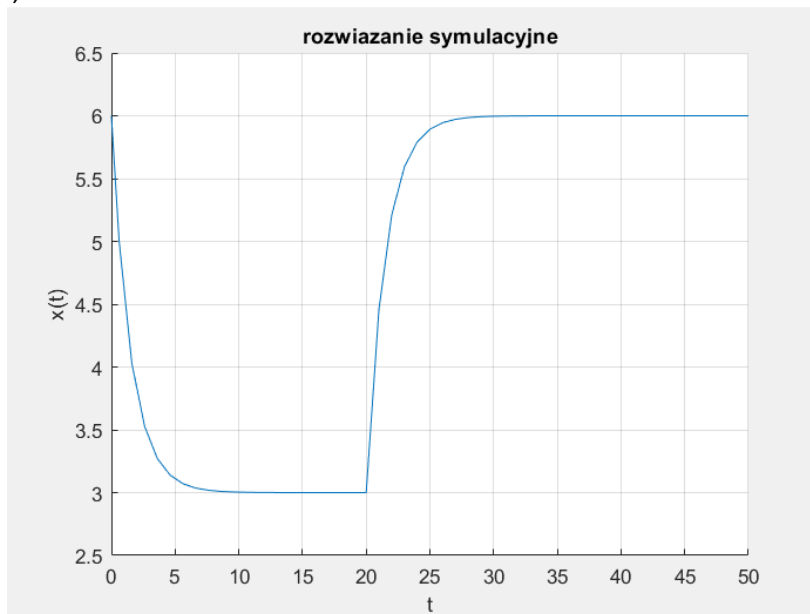
$t_0=0$, $u_0 =1$



$t_0=0$, $u_0 =0$



$t_0=20$, $u_0 =1$



$t_0=20$, $u_0 =0$

