Task 1:

num = [25];

denum = [1 10 25];

system = tf(num, denum);

step(system)

stepinfo(system)



Task 2:

num = [500];

denum = [1 14.14 100];

system = tf(num, denum);

step(system)

stepinfo(system)



Task 3:

num = [500];

denum = [1 10 500];

system = tf(num, denum);

step(system)

stepinfo(system)



Task 4:

num = [25];

denum = [1 0 25];

system = tf(num, denum);

step(system)

stepinfo(system)



Task 5:

num = [100];

denum = [1 0 -25];

system = tf(num, denum);

roots(denum)

step(system)

stepinfo(system)

