Problems for Tutorial-05: Solution of equations

1. Write a Scilab script to find the intersection of the circle $x^2 + y^2 - 25 = 0$ and the plane $x + 2y = 5$.

2. Find the solution of the equation $t\,e^{-xt} + \cos(t)\,\sin(t) + x = 0$ and $x + t - 1 = 0$.

Solution:

1. $x = 5, y = 0$.

2. $x = 1.5054495, t = -0.5054495$