```
>> %% ********** Q4 **********
syms t s;
m = pi/2
X_s = 1 / ((s+3-j*(m))*(s+3+j*(m))*(s));
x_t = ilaplace(X_s)
fplot(x_t,[0,5],'r',"LineWidth",2); % Plot x(t) as a function plot
xlabel('Time (sec)');
ylabel("x(t)");
title("x(t) for 0<=t<=5");
ylim([0,0.1]) % assign limits to y axis
grid on;

m =

    1.5708

x_t =

- 4/((- 6 + pi*1i)*(6 + pi*1i)) - (exp((t*(- 6 + pi*1i))/2)*2i)/(pi*(- 6 + pi*1i)) - ↙
(exp(-(t*(6 + pi*1i))/2)*2i)/(pi*(6 + pi*1i))

>>
```