

13.15 Use MATLAB to solve Problem 13.14.

SOLUTION:

a)

```
EDU> syms s t
EDU> ilaplace((s^2+7*s+12)/((s+2)*(s+4)*(s+6)))

ans =

3/4*exp(-6*t)+1/4*exp(-2*t)
```

b)

```
EDU> syms s t
EDU> ilaplace((s+3)*(s+6)/(s*(s^2+10*s+24)))

ans =

1/4*exp(-4*t)+3/4
```