8/30/2019 Homework1

```
syms s;

F = (4*s+2)/(2*s^2+20*s+48);
disp("Inverse Laplace of 4)")
ilaplace(F)

F = (3*s+1)/(2*s^2+8*s+26);
disp("Inverse Laplace of 5)")
ilaplace(F)
```

```
Inverse Laplace of 4)
ans =
(11*exp(-6*t))/2 - (7*exp(-4*t))/2
Inverse Laplace of 5)
ans =
(3*exp(-2*t)*(cos(3*t) - (5*sin(3*t))/9))/2
```

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8/30/2019 Homework1