

```

[> restart
[> with(inttrans);
[addtable,fourier,fouriercos,fouriersin,hankel,hilbert,invfourier,invhilbert,invlaplace,
  invmellin,laplace,mellin,savetable]
[> f := exp(6 t)
[> f := e6 t
[> F := laplace(f, t, s)
[> F :=  $\frac{1}{s-6}$ 
[> g := t·3
[> g := t3
[> G := laplace(g, t, s)
[> G :=  $\frac{6}{s^4}$ 
[> h := 5·cos(7 t) - 8·sin(4 t)
[> h := 5 cos(7 t) - 8 sin(4 t)
[> H := laplace(h, t, s)
[> H :=  $\frac{5 s}{s^2 + 49} - \frac{32}{s^2 + 16}$ 
[> hh := invlaplace(H, s, t)
[> hh := 5 cos(7 t) - 8 sin(4 t)
[> P :=  $\frac{10}{s-3} + \frac{6}{s \cdot 2} + \frac{(s-3)}{(s-3) \cdot 2 + 49}$ 
[> P :=  $\frac{10}{s-3} + \frac{6}{s^2} + \frac{s-3}{(s-3)^2 + 49}$ 
[> p := invlaplace(P, s, t)
[> p := 6 t + e3 t (10 + cos(7 t))
[>

```