

# Re: Inverse Laplace transform with not completely defined functions

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- *From:* [israel@xxxxxxxxxxx](mailto:israel@xxxxxxxxxxx) (Robert Israel)
  - *Date:* 5 May 2005 05:17:03 GMT
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In article <1115239147.826424.115740@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, <jorchi@xxxxxxxx> wrote:

>I have looked everywhere and I can't solve this, what is the inverse  
>Laplace Transform if the following functions:

>

>1)  $P(s)/((s + 1)(s + 50))$

>

>2)  $P(s)/((s)(s + 1)(s + 50))$

>

>3)  $s P(s)/((s + 1)(s + 50))$

>

>I need these solutions to be of solutions without the function  $p(t)$   
>defined. So I need them to have  $p(t)$ ,  $p'(t)$ ,  $p''(t)$ , etc.. Would  
>anyone know how to go or the solution?

Hint: what's the Laplace transform of a convolution?

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◇ *From:* jorchi

• *References:*

- ◆ [\*\*Inverse Laplace transform with not completely defined functions\*\*](#)

◇ *From:* jorchi

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