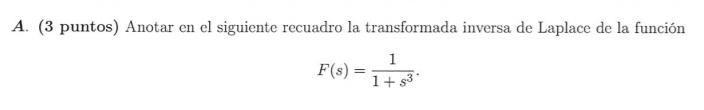
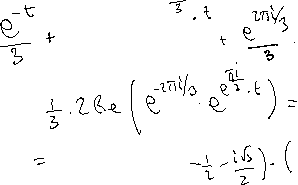
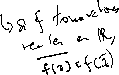
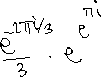
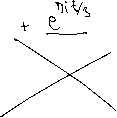
# Transformadas de Fourier y Laplace

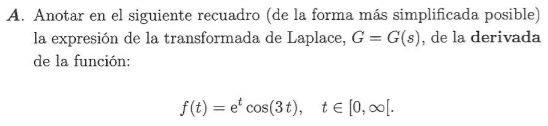
## Transformadas de Laplace

3.2.1 (segundo parcial 14/15)



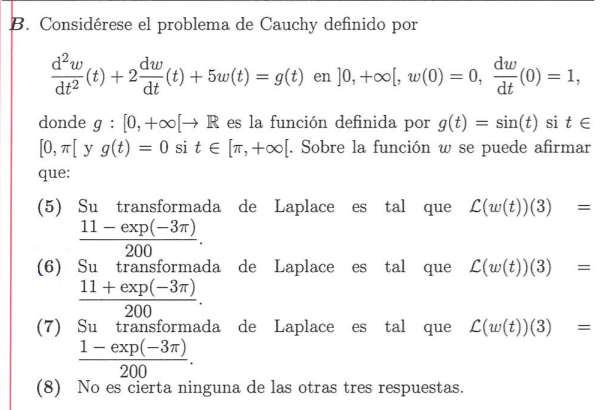


3.2.2 (segundo parcial 15/16)





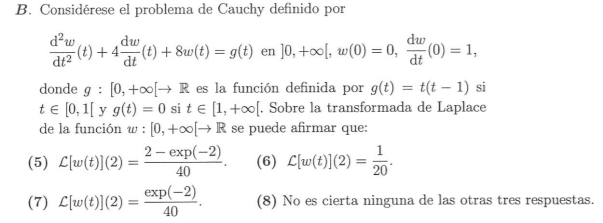
3.2.3 (segundo parcial 16/17)

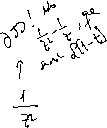
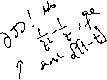




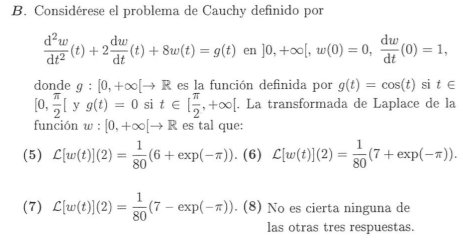
3.2.4 (segundo parcial 17/18)





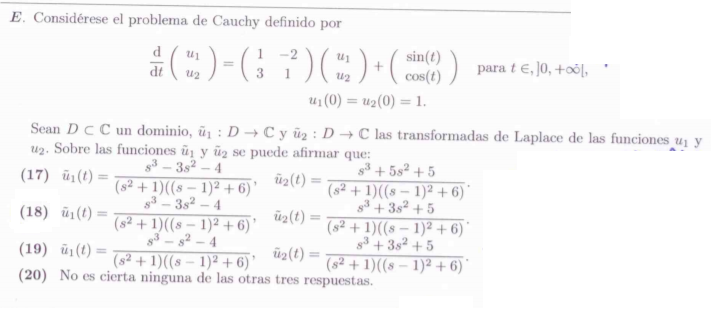


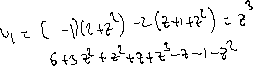
3.2.5 (segundo parcial 19/20)



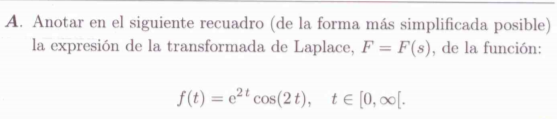


3.2.6 (final ordinario 13/14)



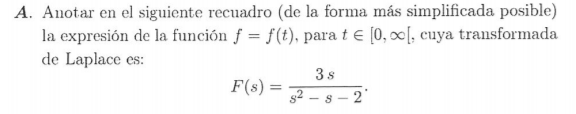


3.2.7 (final extraordinario 14/15)



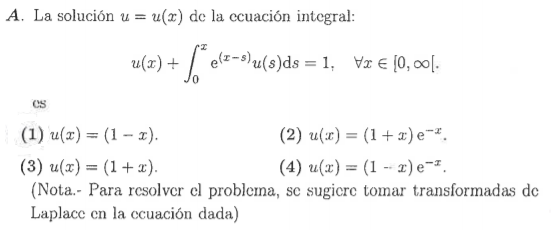


3.2.8 (final ordinario 14/15)



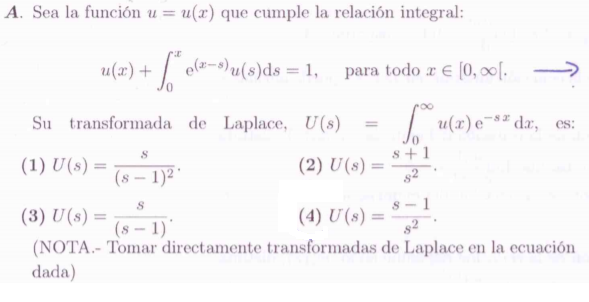


3.2.9 (final extraordinario 15/16)



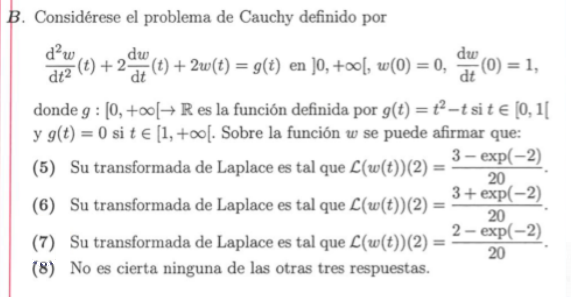


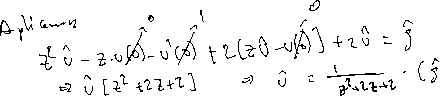
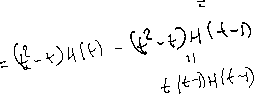
3.2.10 (final ordinario 15/16)



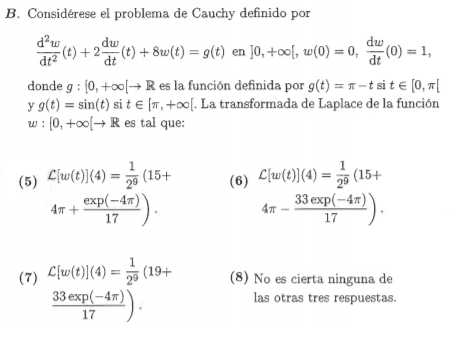


3.2.11 (final ordinario 16/17)



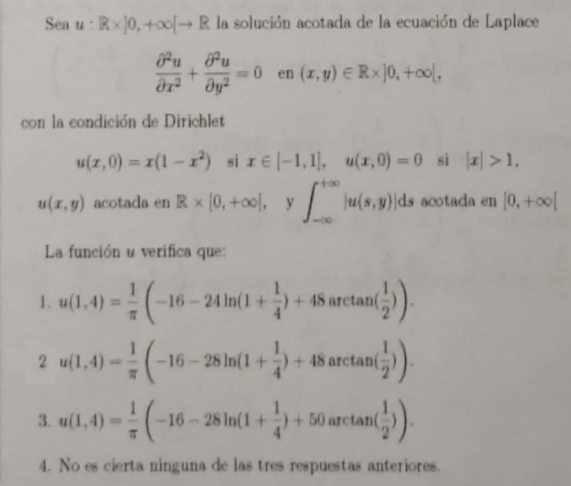


3.2.12 (final ordinario 18/19)



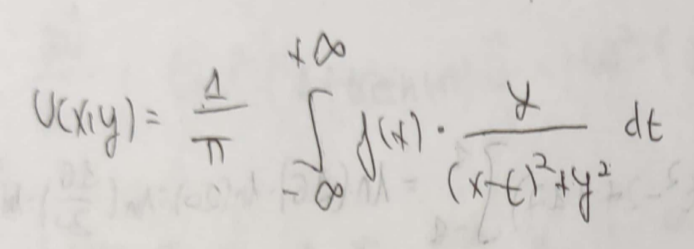


3.2.13 (procedencia desconocida)

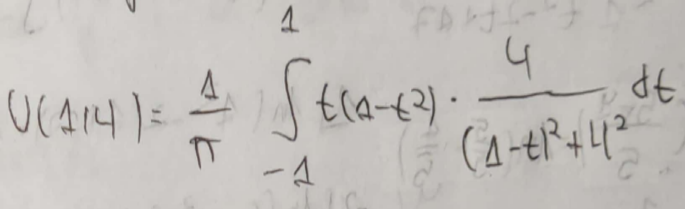


Solución:

Por la fórmula de Poisson:



Los límites de integración se ajustan por la definición de f:



Esta integral se hace descomponiendo en fracciones simples y usando la arcotangente y el logaritmo.

