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| --- | --- | --- | --- |
| 1. Compute the Laplace transform of e-10t =u(t).2. Compute the inverse Laplace transform of:

|  |  |  |
| --- | --- | --- |
| X(s) | =  | 3s2+2s+1s3+5s2+8s+4 |

**3.** Use Laplace transforms to compute the solution to the differential equation given below.https://angel.grantham.edu/AngelUploads/QuestionData/af340ad4-201d-439a-8f66-7682635829f3/T05-Q10.png#{7DA1EA70-AA54-4A7A-8A38-549C27605613} |