QUIZ 7 - MATH 310 YOUR NAME:

Read each problem **very carefully** before starting to solve it and do only what is asked. Each problem is worth around 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

- 1. [6 points] Consider the function $d_1(t-7)$.
 - (a) Define it formally on the left and sketch its graph (neatly) on the right below.

(b) Compute from scratch the Laplace transform $\mathcal{L}\{d_1(t-7)\}$.

2. [6 points] Solve using Laplace Transforms the initial value problem

