

HOMEWORK 10  
DUE: WEDNESDAY, JUNE 17

- 1) Derive Laplace Transforms (and find the domains) of all the functions in table **6.2.1** on page **321**.
- 2) Skip **#4.** and **#16.**
- 3) For **#11.,#18.** and **#19.** use  $n = 3$
- 4) For **#7.** and **#8.** use the following definitions

$$\sinh x = \frac{e^x - e^{-x}}{2}$$
$$\cosh x = \frac{e^x + e^{-x}}{2}$$