Math 4355 – Spring 2021   Name:

<center># Quiz #7</center>

Please, type or write legibly, scan, save file as LASTNAME_FIRSTNAME_Q7.pdf and email to `dlabate@math.uh.edu` or `dlabate@uh.edu`. You need to email to me no later than 11:30AM on Apr 6.

Use the definition of Fourier transform given in class to compute the Fourier transform of

$$f(t) = \begin{cases} t & \text{if } -\pi \leq t \leq \pi \\ 0 & \text{otherwise.} \end{cases}$$