EEE 304 **HW 3**

Problem 1:
Do Problems 7.30, 7.31 from the textbook.

Problem 2:
Find the largest sampling interval T_s to allow perfect reconstruction of the signals (x*y denotes convolution)

1. $\frac{\sin^2 t}{t^2}\sin 2t$
2. $\frac{\sin 2t}{t^2} * \sin t$
3. $\frac{\sin 3t}{t}\frac{\sin t}{t}$.
4. $\frac{\sin 2t}{t} * \sin t$.