$\begin{array}{c} {\rm Math}~4355 \\ {\rm Homework~on~Fourier~Series~\#~I} \end{array}$

All problems are from the textbook of Olver.

1. page 76: 3.2.1 b,d

2. page 76: 3.2.2 a

3. page 76: 3.2.4

4. page 88: 3.2.45