Physics 255  

Homework Due Monday, April 23

Section 12.2. In #3, plot all functions on the same graph. Make sure that your graph is properly labeled. In particular, axes and functions must be labeled.

Section 12.6. In #3, show that the functions $x^2$ and $\sin x$ are orthogonal on $[-1, 1]$ by evaluating the appropriate integral directly. Ignore the hint.