

**11. Crystal Potential****Problems**

---

11.1. Obtain expressions for the following: (Show your work.)

a)  $\mathfrak{F}\{\delta(x+4a)\}$       b)  $\mathfrak{F}^{-1}\{e^{-\pi ika/3}\}$       c)  $\sin(3\pi x/2) * \delta(x-1)$

---