

ENEE 680: Homework #4

Due: Tuesday Nov. 3, 2009

Jackson: Problems

3.2, 3.5, 3.16 b, and d, 3.17 a

A conducting sheet lies in the x - y infinite half plane ($x > 0$). A current I is injected at the point $(x_0, 0)$. Find an expression for the potential and electric field in the conductor.