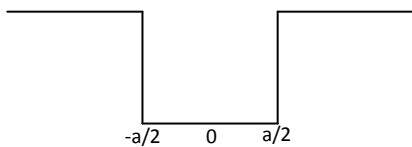Homework #1

1) Derive Equation (26) in the book by solving Equations (6) for E(r).

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2) Using the 'Master Equation' find H(r) and E(r) for

   a)

       -a/2   0   a/2

                  —   —

   b)