

Prof. TE Coan PHYS 3344 S04  
**DUE:** 30 Jan '04 @ 6pm, rm 4B FS

## HW2

1. Calculate  $M^{-1}$  given

$$M = \begin{pmatrix} 1 & 2 & 1 \\ 0 & 1 & 1 \\ 2 & 1 & 0 \end{pmatrix}$$

2. Fermi problem 2. (See [http://www.physics.smu.edu/coan/3344/3344\\_fermi01.html](http://www.physics.smu.edu/coan/3344/3344_fermi01.html).) Please show your work.

3. Marion 2.11.

4. Marion 2.15.

5. Marion 2.25.

6. Marion 2.27.