

**Computational Fluid Dynamics (AE/ME 339)**  
**MAEEM Dept., UMR, Fall 2001**

Home Work Problem 12

Using the procedure similar to the one used in class, obtain the following first derivative conditions for the walls shown in the figure. Node designation is as shown in the figure.

- i) First order accurate condition for the upper and lower walls.
- ii) Second order accurate condition for the lower wall.

