

2/19/08 Lecture outline

- More on superspace. The  $Q_\alpha$  and  $\bar{Q}_{\dot{\alpha}}$  as differential operators, and the  $D_\alpha$  and  $\bar{D}_{\dot{\alpha}}$ .
- General superfield. Not an irreducible representation of susy.
- Where we're headed, building susy Lagrangians from superfields and  $D_\alpha$  and  $\bar{D}_{\dot{\alpha}}$ .
- Chiral superfields, and anti-chiral superfields. Expand in components.