

Caltech – Ph106a – Fall 2001

Problem Set 6

due 11-28-2001

1. H&F 9-18 (Henon-Heiles Hamiltonian).
2. H&F 6-3 (reference frames + canonical transformations).
3. H&F 6-14 (Poisson brackets of conserved quantities).
4. **Optional challenge problem:** H&F 5-13.