

Physics 129a
Problem Set Number 7
Due Wednesday, November 21, 2007

30. Orthogonal polynomial recurrence relation: Exercise 5 in the Linear Differential Equations note.
31. Qualitative behavior of classical orthogonal polynomials: Exercise 6 in the Linear Differential Equations course note.
32. Green's function: Exercise 7 in the Linear Differential Equations note.
33. Hypergeometric function: Exercise 8 in the Linear Differential Equations note.
34. Expansion in Legendre polynomials: Mathews & Walker 7-1.