GLY 5826, Assignment 6

1. Do a combination of Problems 3.2, 3.4, and 3.5 in your text. Solve for the recharge rate but use the Dupuit assumption. Compute the water balance. Use a grid spacing consistent with a quality solution (not too coarse). Compare the head profile along the short axis from the numerical model to a 1-D analytical solution for the Poisson equation under the Dupuit assumption.