

## Advanced rock mechanics

Semester 1, 2009

### Homework #9 (25 May)

due by 31 May 2009

1. Reproduce the Fig. 7.7 in the text book using the data from Table 7.2. Use the Berea sandstone and Westerly granite and compare their responses of pore pressures in the column (from  $z = 0$  to  $z = h$ ) and displacements at the top of the layer (at  $z = 0$ ). How much time does each of rock need to fully consolidate?