## An Internet Book on Fluid Dynamics

## Problem 160A

Water (density $=\rho$, dynamic viscosity $=\mu$ ) flows through a circular pipe from one large reservoir to another. The pipe has a length, $L$, and a radius, $R$, and the flow is assumed to be laminar. Find the steady volume flow rate if the reservoirs are maintained at surface levels which differ by an elevation, $H$. Denote the acceleration due to gravity by $g$.

