CEE444 APPLIED HYDRAULICS
SPRING 2002
HOMEWORK: EPANET APPLICATION

For the reservoir and pipe network shown in the figure, calculate the distribution of flows in the pipes and the pressure at junctions 3 and 5, if the pressure at junction 1 is 60 psi. The demand at junctions 3 and 5 are 10 and 5 cfs, respectively. Assume that all junctions are at the same elevation, and $f = 0.012$.

Pipe	Length (ft)	Diameter (in)
P-1	1000	24
P-2	1000	24
P-3	1000	12
P-4	1410	10
P-5	1000	8
P-6	1000	12
P-7	1000	10