ANSWER KEY - LABORATORY EXERCISE 7
LEVEL CONTROL LOOP CHARACTERISTICS

1.   STARTING THE PROGRAM

   ... maximum inflow, GPM?   40 GPM

2.   TESTING THE PROCESS

   ... ever come to equilibrium?   No

        You will probably get different data from your test than is listed below.

   ... ΔT 16.3 mins

   ... ΔV 5.0%

   ... ΔL 22.56%

   ... ΔF 9.13%
        (Be sure you converted your flow reading to % of span.)

   ... TR   6.59 minutes

   ... KV   1.83

        Regardless of your data, you should get approximately the same values for
        TR and KV as listed here.

3.   CALCULATING TANK DIMENSIONS FROM RESIDENCE TIME

   ... maximum outflow, GPM?   40 GPM

   ... TR   6.61 minutes