Qualitative PID Control

1. What effect does increasing the proportional gain have on the system response? Answer based on your captured responses in step 4 of the Qualitative PID Control - Lab Procedure.

2. Is it practical to use purely proportional control? Why or why not?

3. What effect does increasing the derivative gain have on the system response? Answer based on your captured responses in step 5 of the Qualitative PID Control - Lab Procedure.

4. What effect does increasing the integral gain have on the system response? Answer based on your captured responses in step 9 of the Qualitative PID Control - Lab Procedure.

5. Comment on how you modified your controller to arrive at the results in the Response Tuning section of the Qualitative PID Control - Lab Procedure.