

Final Exam

All: Describe in your own words how an experimental design, set up, etc. process.

- 1) Discuss 3 different types of instruments for measuring pressure.
 - What if you needed something easy to implement and for steady state conditions?
 - How can you calibrate this class of instruments?
 - What if you needed something which responds on high frequencies, how does this device work?
- 2) Describe 2 volumetric flow and 1 mass flow measurement devices, strengths and limitations and their operating principles.
 - a. Would you consider using a rotameter for highly transient processes? *and why*
 - b. What about for a highly dirty or contaminated flow.