

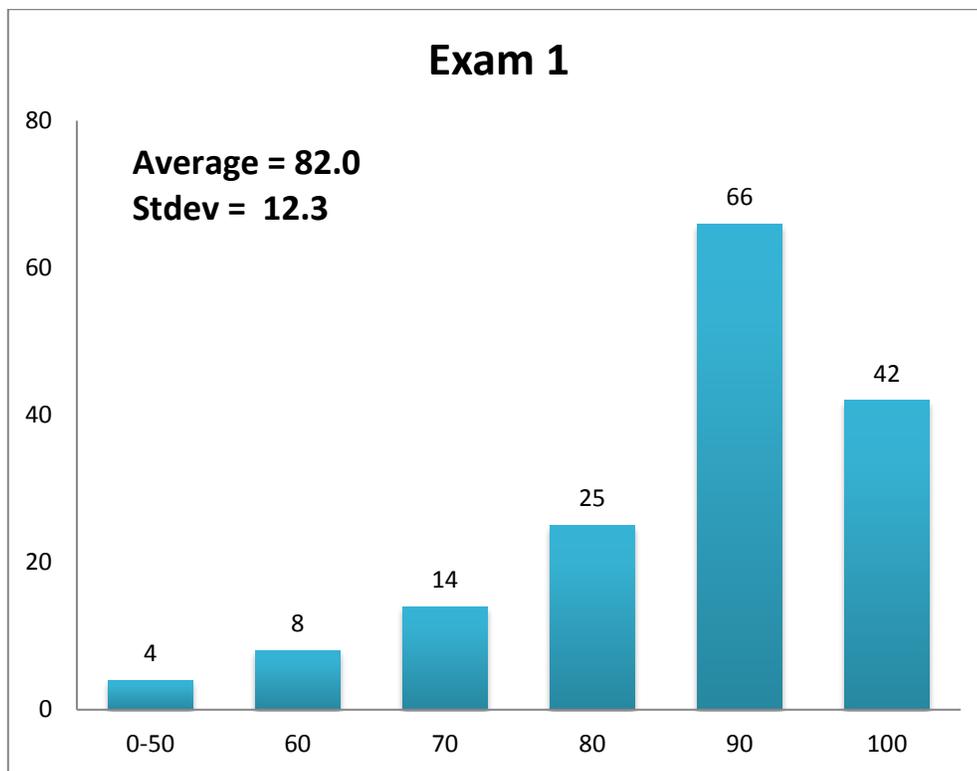
Report of Exam 1

10/12/2016

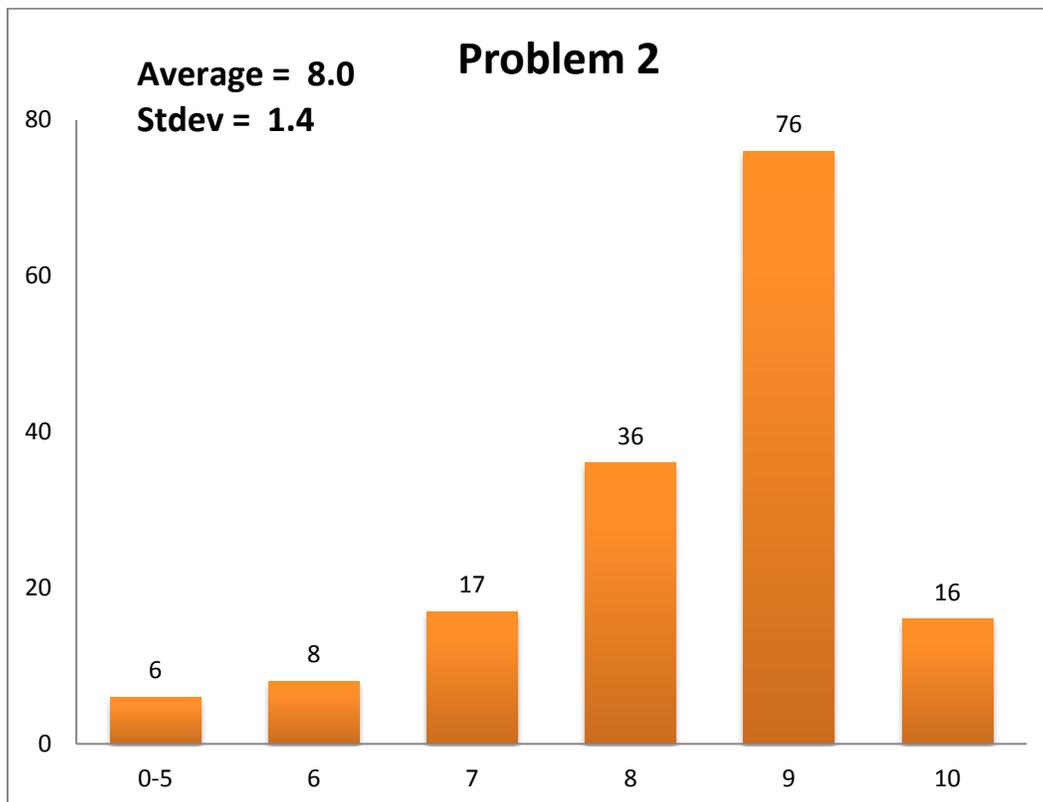
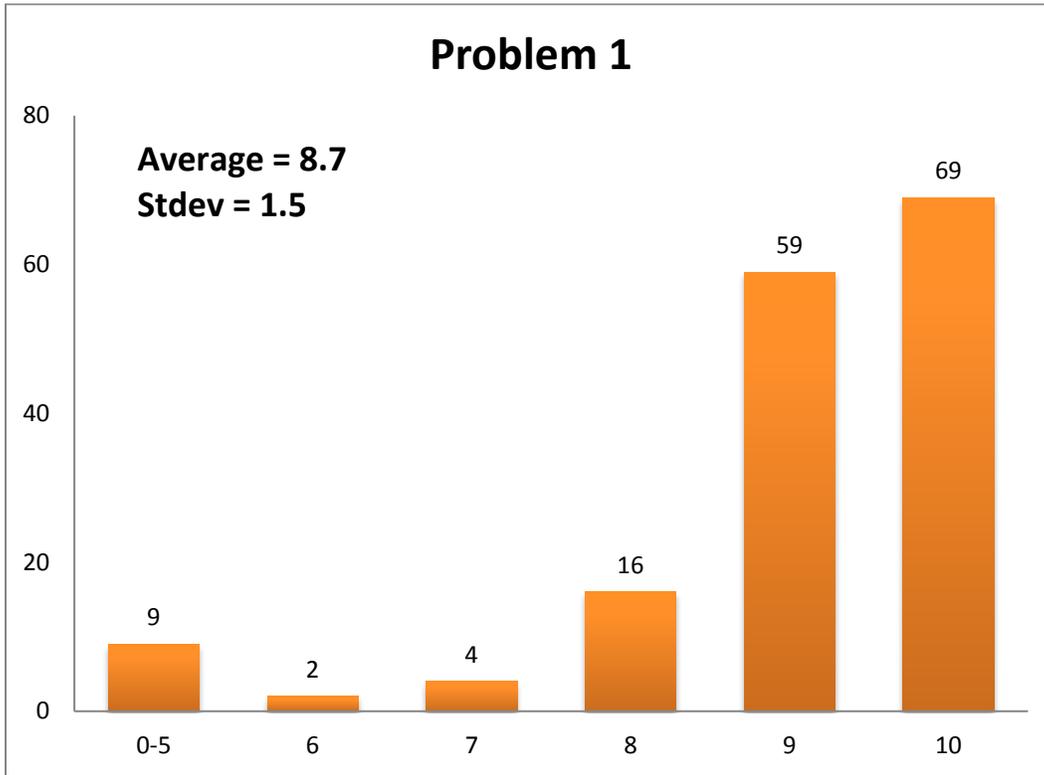
1. Summary

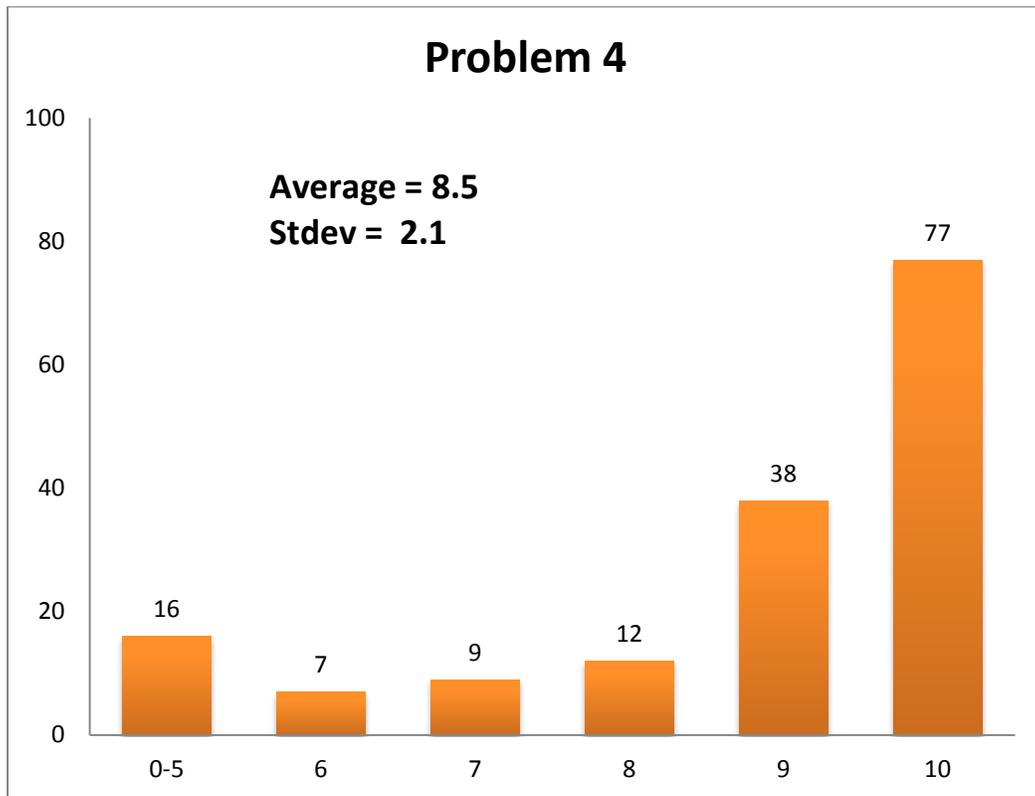
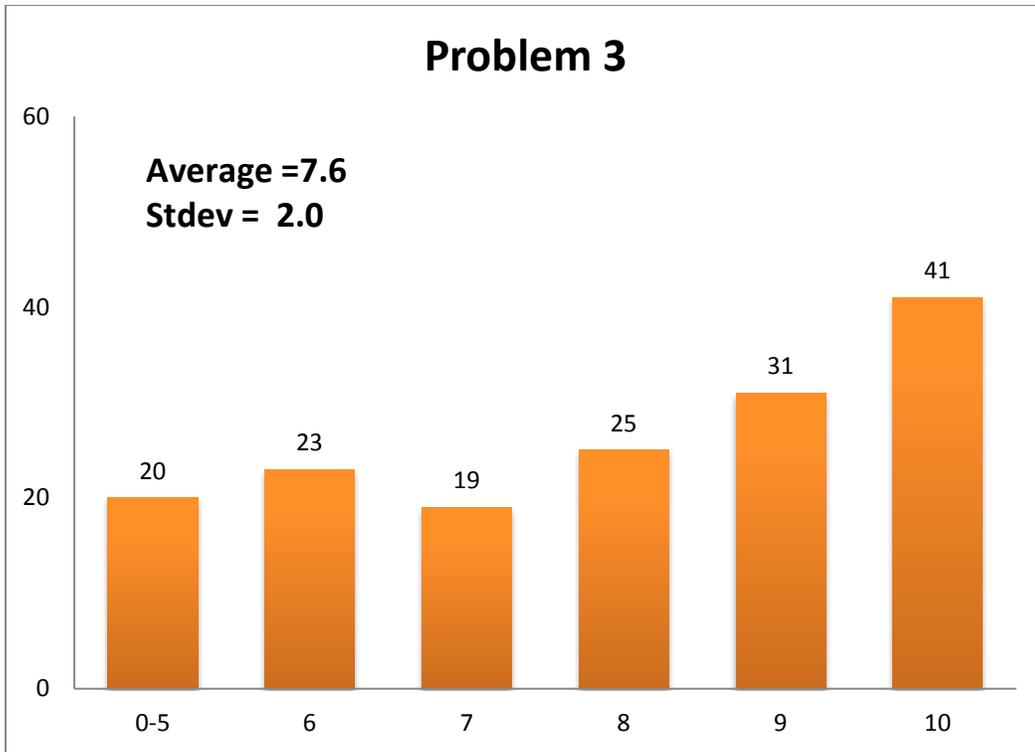
	Number of Students
Total	160
Attended	159
Missed	1
Makeup	0

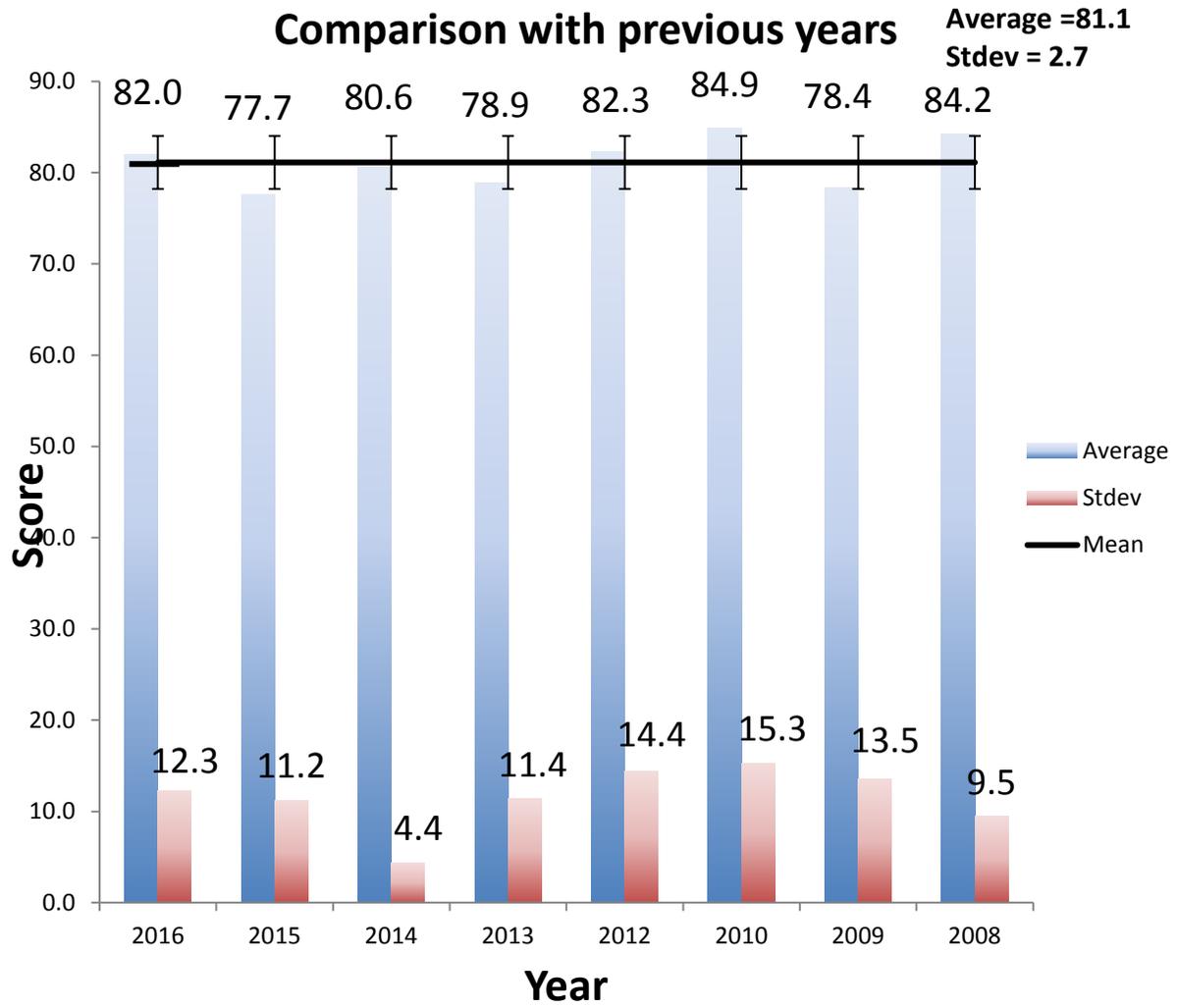
2. Overall distribution



3. Distribution for each problem







4. Common mistakes

1) Problem 1

- Neglecting fluid specific gravity in pressure differential calculation
- Mistakes in taking derivative of velocity
- Not evaluating shear stress at wall ($y=0$)

2) Problem 2

- Calculation mistake for hcg and ycp
- Mistakes in taking moment about the pin

3) Problem 3

- Assuming $V_1=0$ / $V_2=0$ / $P_1=0$
- Not assuming $P_2=0$
- Not applying continuity
- Not solving for Q
- Mixing density with specific gravity

4) Problem 4

- Not evaluating acceleration function at the give point