## QUIZ 1 - Report

## General

| Total number of students | 24 |
| :--- | :--- |
| Attended | 20 |
| Missed | 4 |
| Average grade | 7.25 |
| Standard deviation of grades | 1.48 |

Grade distribution
Q1


## Comparison with last five years



## Comments

- No students consider that $\frac{d u}{d y}=-\frac{d u}{d r}$ in the calculation of the shear stress:


General expression of the shear stress

- Many students did not calculate $\tau$ at the wall (at $r=R$ ) in part (a) of the problem.
- Few students made mistakes in computing the derivative.
- Few students substitute all the numbers in the formulas for $\tau$ and $F$ in part (a) instead of obtaining an implicit relationship.
- Some students did not calculate correctly the drag as $F=\tau A$.
- Some students did not calculate correctly the area as $A=2 \pi R L$.

