Experiment 7 Water table
1. There is no flow separation around a cylinder. FALSE

Experiment 8 Reynolds’ experiment
2. For turbulent flow in a pipe the pressure increases downstream. FALSE

Experiment 9 Mean velocity
3. A mean velocity in a pipe can only exist if the velocity profile is uniform. FALSE

Experiment 10 Entrance effects and losses
4. There is some overlap between the entrance and the fully developed flow regions. FALSE

Experiment 11 LFE and velocity profile
5. Laminar and turbulent flow profiles in a tube are different but are both parabolic. FALSE

Experiment 12 Heat exchanger

\[ \dot{q}_1 + \dot{q}_2 = \dot{q}_{cond} \]
6. In the steady state heat balance equation, \( \dot{q}_{cond} \) is the heat conduction to the tube wall. FALSE