Exercise 1: Hybrid automata
Please describe the two classes of transitions of hybrid automata.

Exercise 2: LTL and CTL Formulae
Please give the definition of the equality $\Phi = \Psi$ where $\Phi$ is an LTL formula and $\Psi$ is a CTL formula.

Exercise 3: Automata classes
What is the main difference between

(a) rectangular automata and initialized rectangular automata;
(b) rectangular automata and singular automata;
(c) singular automata and stopwatch automata;
(d) stopwatch automata and timed automata.