Consider the following three schedules. The first two are from last year’s Test 2.

1. \( r_1(X), r_2(Z), r_3(X), r_1(Z), r_2(Y), r_3(Y), w_1(X), w_2(Z), w_3(Y), w_2(Y) \)
2. \( r_1(X), r_1(Y), w_1(X), r_2(Y), w_3(Y), w_1(Y), r_2(X) \)
3. \( r_1(X), r_1(Y), w_1(X), r_2(Y), w_3(Y), w_1(X), r_2(X) \)

For each schedule,

- determine if it is conflict-serializable
- if it is conflict-serializable, try to show a lock placement following 2PL
- if you are able to place locks according to 2PL, can the placement be made strict?