Quiz 1 from Fall 2020 solutions:

1: the 1 and 3 need to be changed to floats (e.g. 1.0 and 3.0), because the +. operator doesn't work with ints

2.1: `let f a b = let x = a [1] in b + x`

2.2: `let f a b c = [(b a); c]`

2.3: `(fun x -> 3, fun x -> 3.)`

3.1: `let rtl fns x = fold_right (fun f x -> f x) fns x`

3.2: `let count_mem lst target = fold_left (fun a (x, y) -> a + (if x = target then 1 else 0) + (if y = target then 1 else 0)) 0 lst`