1. Give types of:

- f .x = 3
- f. 2
- f.x
- x.f
- (.)
- g(f.x)
- [(+1), (1+), (+)]
- (‘a’, ord.’a’)
- (+).y
- k where k.x.y = x
  k.3, k.’a’, k.(+)

2. What does following function compute?

```
m.x.y
   | x <= y = y
   | otherwise = x
```

Type of m?
Type of m.x?

3. What is the type of reduce.m.0? What does it compute?

4. True or False?
   sum(x++y) = sum.x + sum.y
   length.(x++y) = length.x + length.y
   map.f.(x ++y) = map.f.x ++ mapf.y