(A) With your group, write a function $\text{foldl}$ of type:

$$(\alpha \to \beta \to \beta) \to \alpha \text{ list} \to \beta \to \beta$$

such that $\text{foldl} \ f \ [x_1, \ldots, x_N] \ b = f \ x_N \ (\ldots \ (f \ x_1 \ b) \ \ldots)$. *Hint: $\text{foldl}$ is easier to write tail-recursively!* 

(B) With your group, use $\text{foldl}$ to implement $\text{map}$:
(C) With your group, use fold1 to implement the version of fold we saw in class. Recall that, in class,
fold f [x1, ..., xN] b = f x1 (... (f xN b) ...).