_____ Lab Section _____

1. (4 pts) Draw the pair diagram that will result from evaluating the following expression:

```
> (cons (list 1)(list 2 3))
```

2. (6 pts) Using only the lines you need, complete the function.

(define	(append	alist	blist)		
(cond				 	

3. (0 pts) The procedure accumulate is an abstraction of many other functions that operate on lists. We derived the function by looking at **sum** and **product**, but then in the last lecture we saw many other exciting tasks that can be viewed as an accumulation.

Consider the following two procedures. We can write a new procedure, called **map**, that will have the same basic form of these two (but one extra parameter), and will be able to do both of these tasks. **map** applies a function to every element of a list.Write **map** below.