1.

Let: parallel blinding

Forms a set of identifier that can only be used in "the let body"

```
> (<u>let</u> ([me "Bob"])
    me)
"Bob"
```

let*: Sequential Binding

is like let except that you are able to use their id for later expressions. It is like having nested lets in the same expression

Letrec: Recursive Binding

These blocks can be used on the entire scope even earlier expressions

Source: https://docs.racket-lang.org/guide/let.html

tun gx = 4 pepads 1

- 1. No since the function f does not use any thing that is not within its local state
- 2. Yes since the variable that F needs is from its local state
- 3. Unknown since we do not know what variables F needs ie what variables it might need to reference.

4 Ruby supports pass in functions

The way you do it is by

```
`def format_all_the_things(&formatter)
  one = formatter.call("thing 1")
  two = formatter.call("thing 2")
  [one, two].join " & "
end` Source:(http://blog.jessitron.com/2013/03/passing-functions-in-ruby-harder-than.html)
```

This language has known error relating to the address that the function gets return to and you would get local jump error since the function gets its own stack.