

Proposed Exam Question

The Question

Define a function `triple` in Racket that given a list, returns a new list with each element multiplied by 3. The function should be recursive, and using `if` and `cons` is recommend.

Sample Answer

```
(define (triple lst)
  (if (empty? lst)
      null
      (cons (* (first lst) 3) (triple (rest lst)))))
```

Points

4 points