Quiz scheme 2 functional programming Skills: Use of anonymous functions, recursion and use of simple lists

Name _____   **Student Number**_____

1. write a scheme lambda function that retrieves the second word of the second list from the list **(50 pts):**

   '((W. S. Henry V) (we few we happy few we band of brothers))

2. Is the following function **head** recursion or **tail** recursion? **(20 pts)**

```
(define (sum n m)
 (cond
   [ (= n 0) m]
   [else (sum (- n 1)(+ m n))]))
```

3. show the step by step process for the call (as done in the reading) **(30 pts)**

(sum 3 0)