

Below is the Pig Latin code provided in lab.

```
(define (pig1 wd)
  (if (pl-done? wd)
      (word wd 'ay)
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(define (pl-done? wd)
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(define (vowel? letter)
  (member? letter '(a e i o u)))
```

Q1: We LOVE helper procedures and think that you should too! But to test your understanding of how these helper procedures are working, please re-write the bolded code in `pl-done?` and `vowel?` Without changing the behavior of the function `pl-done?`, **`pl-done? wd`** can be replaced with:

Q2: Fill in the blank to show what scheme would print.

```
STk>(define (a b c)
      (if (= b 1)
          c
          (+ c (a (- b 1) c))))
```

a
STk> (a 4 7)

Q3: Write the procedure `multiply` that multiplies all of the numbers in a sentence as shown by the example calls below.

```
STk> (multiply '(1 2))
2
STk> (multiply '(10 3 2))
60
STk> (multiply '())
1
```

Q4: How many times is `*` called in the following code:

```
STk> (define (square x) (* x x))
STk> (define (weird x y) (* y y y y))
STk> (weird (square (* 1 1)) (* 3 3))
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Using applicative order: _____

Using normal order: _____

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