

CSE 341 — Scheme Discussion Questions

1. Suppose we bind the variables `f`, `a`, `b`, and `c` as follows:

```
(define f '+)
(define a 10)
(define b (list f a 5))
(define c (list f b b))
```

What is the value of each of the following expressions?

- (a) `f`
 - (b) `a`
 - (c) `(eval a)`
 - (d) `b`
 - (e) `(eval b)`
 - (f) `(eval (eval b))`
 - (g) `c`
 - (h) `(eval c)`
2. Given the above bindings for `f` and `a`, write a quasiquoted expression that does the same thing as

```
(define b (list f a 5))
```

3. The built-in Scheme function `max` takes a variable number of arguments (at least 1). Write your own version `mymax`.