

## CSE 341 — Racket Discussion Questions Part 4

These questions deal with the `deriv` program.

What do each of the following expressions evaluate to?

1. `(basic-deriv '(+ x x) 'x)`
2. `(deriv '(+ x x) 'x)`
3. `(basic-deriv '(* 2 x) 'x)`
4. `(deriv '(* 2 x) 'x)`
5. `(simplify '(+ 3 (+ 5 x)))`
6. `(simplify '(+ (+ 3 5) x))`