

CSC104 Quiz #7

Name:

Assume that DrRacket has been started up in the Intermediate Student with lambda language, and that the following commands have been run.

```
(require picturing-programs)

(define L1 (list 7 6 5))
(define L2 (list
  (triangle 5 "solid" "green")
  (triangle 6 "solid" "green")
  (triangle 7 "solid" "green")))

(define L3 (list 45 (square 5 "solid" "green")))

; t : number -> image
(define (t n)
  (cond
    [(> n 0) (beside (t (- n 1)) (triangle (* n 5) "outline" "red"))]
    [else (triangle 1 "outline" "red")]
  ))
```

For full marks, describe or draw what is produced by 5 out of 6 of the following commands.

1. (apply * L1)
2. (apply + L1)
3. (apply rotate L3)
4. (t 0)
5. (t 1)
6. (t 2)