8. Given these Scheme function definitions:

```
(define double (x) (+ x x))
(define square (x) (* x x))
(define inc (x) (+ x 1))
```

Determine the output produced by each Scheme code fragment below. **[15 points]**

a. (((lambda (f) ((lambda (g) (lambda (h) (f (g (h 4))))) double)) square) inc)

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b. (((lambda (f) (lambda (g) ((lambda (h) (f (g (h 4)))) double))) square) inc)

_____

c. ((((lambda (f) (lambda (g) (lambda (h) (f (g (h 4)))))) double) square) inc)

_____

d. ((lambda (f) ((lambda (g) ((lambda (h) (f (g (h 4)))) double)) square)) inc)

_____

e. ((lambda (f) (((lambda (g) (lambda (h) (f (g (h 4))))) double) square)) inc)

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