Assignment

051800471

1-a)

* ((lambda (x) ( / ^ x 2 2)), 4)

X=4

x/(2^2)

* ((lambda (x) (\* 2 \* x 1)) 3)

X=3

2\*(X\*1)

• ((lambda (x y) ( / + x y 2)) 5 7)

X=5, y=7

(x+y)/2

• ((lambda (x y z) (/ + x y \* + x z + y z)) 3 3 3)

X=3, y=3 ,z=3

(x+y)/(x+z)\*(y+z)

• ((lambda (x y) (\* x / + x y 6)) 4 2)

X=4, y=2

X\*(x+y)/6

1-b)

• (define myFunc (x y) (if (> x y) ( - x y) (- y x)))

public int myFunc(int x, int y){

if(x>y){ return x-y };

else{return y-x};

}

• (define myEval (x) (if (< x \* 2 x) ( - x 2) (- 2 x)))

Public int myEval(x){

If(x<(2\*x){

return (x-2);

}

else{ return (2-x);}

}

2

a) (AB)



A B

b)(A (B) )



A B

B

c. (A (B) C)

A C

B

d. (A (B (C) D))

A D

B

C

e. ((A) B ((C)) (D) E)

B E

D

A

C