```
1)
a) 10 \rightarrow Value: 10
b)(+ 5 3 4) \rightarrow Value:
                             12
c)(-91) \rightarrow Value:
d)(/ 6 2) \rightarrow Value:
e)(+ (* 2 4) (- 4 6)) \rightarrow Value: 6
f)(\text{define a 3}) \rightarrow \text{Value}:
q)(\text{define b (+ a 1)}) \rightarrow \text{Value}:
h)(+ a b (* a b)) \rightarrow Value: 19
i) (= a b) \rightarrow Value: f
j)(if (and (> b a) (< b (* a b))) b a) \rightarrow Value:
k)(cond ((= a 4) 6) ((= b 4) (+ 6 7 a)) (else 25)) \rightarrow Value:
l)(+ 2 (if (> b a) b a)) \rightarrow Value: 6
m)(* (cond ((> a b) a) ((< a b) b) (else -1)) (+ a 1)) \rightarrow Value:
                                                                                        16
   2) Translate \frac{5+4+(2-(3-(6+\frac{4}{5})))}{3\cdot(6-2)(2-7)} in to prefix form.
   5+4+(2-(3-(6+\frac{4}{5}))) 
ightarrow (+ 5 (+ 4 (- 2 (- 3 (+ 6 4/5))))
   3 \cdot (6-2)(2-7) \rightarrow (*\ 3\ (*\ (-\ 6\ 2)\ (-\ 2\ 7)))
   \therefore \frac{5+4+(2-(3-(6+\frac{4}{5})))}{3\cdot(6-2)(2-7)} \Rightarrow (/ (+ 5 (+ 4 (- 2 (- 3 (+ 6 4/5))))))
3) Define a procedure that takes three numbers as arguments and returns
the sum of the squares of the two larger numbers.
    (define (gr-three a b c) (cond ((= a b c) (sq-sum a b)) ((and (= a b) =
(a c) (if (= b c) (sq-sum (a c)) (if (= b c) ((= b a)) (if (= c)
a) (sq-sum b c) (sq-sum b a))) ((and <math>(=c a) (=c b)) (if (=a b) (sq-sum c)
a) (sq-sum c b)))
```

4) Observe that our model of evaluation allows for combinations whose operators are compound expressions. Use this observation to describe the behavior of the following procedure:

(define (gr-three a b c) (cond ((= a b c) (sq-sum a b)) ((and
(= a b) = a c)) (if (= b c) (sq-sum a b) (sq-sum a c))) ((and (= b c) (= b a)) (if (= c a) (sq-sum b c) (sq-sum b a))) ((and (= c

texttt(define (a-plus-abs-b a b) ((if (> b 0) + -) a b))

))(define (sq-sum x y) (+ (* x x) (* y y)))

a) (= c b)) (if (= a b) (sq-sum c a) (sq-sum c b)))

))