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Question 4

Question 4

1 point possible (graded) Given the function:

```
(define (foo a b)
(+ (* 3 a)
b
(* b a)))
```

What is the first step of the evaluation of (foo (+ 1 1) 4), and what is the result of that step?

Replace (foo 2 4) with the body of foo in which we replace all occurrences of a with (+ 1 1), and b with 4.

(+ (* 3 2)
4
(* 4 2))

```
Evaluate (+ 1 1) and replace it in the function call of foo.

(foo 2 4)
```

Explanation

Because (+ 1 1) is an expression, not a value, it is first evaluated to 2 before moving on with the evaluation of foo.

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