Check for Mistakes in this Word Problem: enough-carpet?

Directions: *You have 100 square feet of carpet to put down in your room. Write a function that takes in the length and width of your room and returns true if you have enough carpet and false if you don't.*

Contract and Purpose Statement ☐

Every contract has three parts...

; enough-carpet? : number number → number

function name | *domain* | *range*

; Given length and width of a room, is the area less than 100 sq feet?

what does the function do?

Examples ☐

Write some examples, then circle and label what changes...

(EXAMPLE(enough-carpet? (10 15)) (< (* 10 15) 100))

function name | *input(s)* | *what the function produces*

(EXAMPLE(enough-carpet? (9 10)) (< (* 9 10) 100))

function name | *input(s)* | *what the function produces*

Definition ☐

Write the definition, given variable names to all your input values...

(define(enough-carpet? length width)

function name | *variables*

(< (* length width) 100))

what the function does with those variables