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 )

        (< (* length width) 100) )
```

function name — *variables* — *what the function does with these variables*