

**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...

$$\frac{\text{; enough-carpet?} \quad \text{number number}}{\text{number}} \rightarrow$$

function name

donner

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:

Copyright (c)

what the function produces

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

function name

Copyright ©

what the function produces

### Definition

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

```
(define( enough-carpet? length width )
```

function name	variable
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1003