

# 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 ...

<code>; enough-carpet?</code>	<code>:</code>	<code>number number</code>	<code>→</code>	<code>number</code>
<small>function name</small>		<small>domain</small>		<small>range</small>

  

<code>; Given length and width of a room, is the area less than 100 sq feet?</code>
<small>what does the function do?</small>

## Examples

Write some examples of your function in action...

<code>(EXAMPLE (enough-carpet?</code>	<code>(10 15)</code>	<code>)</code>	<code>(&lt; (* 10 15) 100)</code>	<code>)</code>
<small>function name</small>	<small>input(s)</small>		<small>what the function produces</small>	

  

<code>(EXAMPLE (enough-carpet?</code>	<code>(9 10)</code>	<code>)</code>	<code>(&lt; (* 9 10) 100)</code>	<code>)</code>
<small>function name</small>	<small>input(s)</small>		<small>what the function produces</small>	

## Definition

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

<code>(define (enough-carpet?</code>	<code>length width</code>	<code>)</code>
<small>function name</small>	<small>variables</small>	

  

<code>(&lt; (* length width) 100)</code>	<code>)</code>
<small>what the function does with those variables</small>	