

# Check for Mistakes in this Word Problem: equal-length?

**Directions:** Write a function that takes in two strings and returns true if their lengths are equal and false otherwise.

## Contract and Purpose Statement

Every contract has three parts ...

<code>; equal-length?</code>	<code>:</code>	<code>string string</code>	<code>→</code>	<code>boolean</code>
<small>function name</small>		<small>domain</small>		<small>range</small>
<hr/>				
<code>; Given two strings, check if they are the same length</code>				
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<small>what does the function do?</small>				

## Examples

Write some examples of your function in action...

<code>(EXAMPLE(</code>	<code>equal-length?</code>	<code>( "yes" "no" )</code>	<code>)</code>
	<small>function name</small>	<small>input(s)</small>	
<hr/>			
<code>(= (string-length "yes") (string-length "no"))</code>			
<hr/>			
<small>what the function produces</small>			

<code>(EXAMPLE(</code>	<code>equal-length?</code>	<code>( "dog" "cat" )</code>	<code>)</code>
	<small>function name</small>	<small>input(s)</small>	
<hr/>			
<code>(= (string-length "dog") (string-length "cat"))</code>			
<hr/>			
<small>what the function produces</small>			

## Definition

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

<code>(define(</code>	<code>equal-length?</code>	<code>string1 string2</code>	<code>)</code>
	<small>function name</small>	<small>variables</small>	
<hr/>			
<code>(= string1 string2)</code>			
<hr/>			
<small>what the function does with those variables</small>			