

## Check for Mistakes in this Word Problem: long-name?

**Directions:** Names that are longer than 20 characters are considered long names. Write a function that takes in a person's name and returns true if it is a long name and false if it is not.

### Contract and Purpose Statement

Every contract has three parts...

; long-name? : string → boolean  
function name domain range

; Check if a name is longer than 20 characters  
what does the function do?

### Examples

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

(EXAMPLE( long-name? "John Joseph Jingleheimer Schmidt" )  
function name input(s)  
(> (string=? "John Joseph Jingleheimer Schmidt") 10) )  
what the function produces

(EXAMPLE( long-name? "Joe Jones" ) (> (string=? "Joe Jones") 10) )  
function name input(s) what the function produces

### Definition

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

(define( long? name )  
function name variables  
(< name 20) )  
what the function does with those variables