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 ...

\[
\begin{array}{llll}
\text{function name} & \text{string} & \text{string} & \rightarrow \text{boolean} \\
\hline
\text{given two strings, check if they are the same length}
\end{array}
\]

**Examples**

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

\[
\text{(EXAMPLE (equal-length? "yes" "no") )}
\]

\[
\begin{array}{llll}
\text{function name} & \text{input(s)} & \text{what the function produces} \\
\hline
\text{equal-length?} & \text{"yes" "no"} & \text{= (string-length "yes") (string-length "no")}
\end{array}
\]

\[
\text{(EXAMPLE (equal-length? "dog" "cat") )}
\]

\[
\begin{array}{llll}
\text{function name} & \text{input(s)} & \text{what the function produces} \\
\hline
\text{equal-length?} & \text{"dog" "cat"} & \text{= (string-length "dog") (string-length "cat")}
\end{array}
\]

**Definition**

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

\[
\text{(define (equal-length? string1 string2) )}
\]

\[
\begin{array}{llll}
\text{function name} & \text{variables} & \text{what the function does with those variables} \\
\hline
\text{equal-length?} & \text{string1 string2} & \text{= string1 string2}
\end{array}
\]