

# Word Problem: line-length

**Directions :** Write a function called 'line-length', which takes in two numbers and returns the **positive difference** between them. It should always subtract the smaller number from the bigger one. If they are equal, it should return zero.

## Contract and Purpose Statement

Every contract has three parts...

;  
\_\_\_\_\_ -> \_\_\_\_\_  
function name domain range  
;  
\_\_\_\_\_ what does the function do?

## Examples

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

(EXAMPLE (line-length 10 5) (- 10 5))  
function name input(s) what the function produces  
(EXAMPLE (line-length 2 8) (- 8 2))  
function name input(s) what the function produces

## Definition

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

(define ( \_\_\_\_\_ )  
( \_\_\_\_\_  
[ \_\_\_\_\_ ]  
[ \_\_\_\_\_ ]  
))  
what the function does with those variable(s)