

# Word Problem: onscreen?

**Directions :** Use the Design Recipe to write a function `onscreen?` , which takes in an x-coordinate and checks to see if Sam is safe on the left while also being safe on the right.

## 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 ( \_\_\_\_\_ ) \_\_\_\_\_ )  
*function name* *input(s)* *what the function produces*  
( EXAMPLE ( \_\_\_\_\_ ) \_\_\_\_\_ )  
*function name* *input(s)* *what the function produces*

## Definition

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

( define ( \_\_\_\_\_ ) \_\_\_\_\_ )  
*function name* *variable(s)*  
\_\_\_\_\_  
*what the function does with those variable(s)*