Word Problem: is-onscreen

Directions: *Use the Design Recipe to write a function 'is-onscreen', which takes in an x- and y-coordinate and checks to see if Sam is safe on the left AND safe on the right.*

Contract and Purpose Statement ☐

Every contract has three parts...

is-onscreen   ::   Number, Number   ->   Boolean
function name   *domain*   *range*

Sam is on the screen if his x-coordinate is safe on the left and safe
what does the function do?

Examples ☐

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

examples:

is-onscreen   (10   ) is
function name   *input(s)*

is-safe-left(10)   and   is-safe-right(10)
what the function produces

is-onscreen   (-15   ) is
function name   *input(s)*

is-safe-left(-15)   and   is-safe-right(-15)
what the function produces

end

Definition ☐

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

fun   is-onscreen   (x   ):
     function name   *variables*

is-safe-left(x)   and   is-safe-right(x)
what the function does with those variables

end