

Check for Mistakes in this Word Problem: offscreen?

Directions: Write a function, offscreen?, which returns true if Sam the butterfly's x-coordinate is less than -50 or greater than 690.

Contract and Purpose Statement

Every contract has three parts...

; offscreen? : number → boolean
functionname domain range
; Given an x-coordinate, returns true if the coordinate is less than -50
what does the function do?

Examples

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

(EXAMPLE (offscreen? 60) (true))
functionname input (s) what the function produces
(EXAMPLE (offscreen? 800) (false))
functionname input (s) what the function produces

Definition

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

(define (off-screen x-coord)
functionname variables
(and (< x-coord -50) (> x-coord 690))
what the function does with those variables