

## 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  
function name domain range

; Given an x-coordinate, returns true if the coordinate is less than -50 or greater than 690  
what does the function do?

### Examples



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

(EXAMPLE( offscreen? 60 ) (true) )  
function name input(s) what the function produces

(EXAMPLE( offscreen? 800 ) (false) )  
function name input(s) what the function produces

### Definition



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

(define( off-screen x-coord )  
function name variables

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