

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
	_____		_____		_____
	<i>function name</i>		<i>domain</i>		<i>range</i>

;	Given an x-coordinate,	returns true if the coordinate is less than -50

	<i>what does the function do?</i>	

Examples

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

(EXAMPLE(	offscreen?	60	)	(true)	)
	_____	_____			
	<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>	

(EXAMPLE(	offscreen?	800	)	(false)	)
	_____	_____			
	<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>	

Definition

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

(define(	off-screen	x-coord	)
	_____	_____	
	<i>function name</i>	<i>variables</i>	

(and (< x-coord -50) (> x-coord 690))	)

<i>what the function does with those variables</i>	