

Check for Mistakes in this Word Problem: target-leap

Directions: Write a function which takes in the target's x-coordinate and makes a player leap by returning an x-coordinate that is double the original x-coordinate.

Contract and Purpose Statement

Every contract has three parts ...

; target-leap	:	number	→	number
<small>function name</small>		<small>domain</small>		<small>range</small>

; Takes the x-coordinate and returns a new one, multiplied by 2

what does the function do?

Examples

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

(EXAMPLE(target-leap	100) (200)
<small>function name</small>	<small>input(s)</small>	<small>what the function produces</small>

(EXAMPLE(target-leap	40) (200)
<small>function name</small>	<small>input(s)</small>	<small>what the function produces</small>

Definition

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

(define(leap	x-coor)
<small>function name</small>	<small>variables</small>	

(* x 5)

what the function does with those variables