

Check for Mistakes in this Word Problem: late-to-class?

**Directions:** You will be late to class if you have to walk more than 25 pixels to get there. Write a function that takes in your x-coordinate and y-coordinate and the x-coordinate and y-coordinate of the classroom and returns true if you will be late to class and false if you will be on time.

Contract and Purpose Statement

Every contract has three parts...

; late-to-class? :

number number number number

→

boolean

function name

domain

range

; Takes the coordinatates of my location and a classroom and returns true

what does the function do?

Examples

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

(EXAMPLE ( (late-to-class? ) (> 25 (distance 40 55 65 80)) ) )

function name

input (s)

what the function produces

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Definition

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

(define (late-to-class? student-x student-y school-x school-y )

function name

variables

((< 25 (distance student-x student-y school-x school-y)))

what the function does with those variables