

## 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 coordinates of my location and a classroom and returns true if the distance is more  
what does the function do?

### Examples

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

(EXAMPLE(late-to-class? 40 5 ) (> 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