

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
; Takes the coorindates 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
(EXAMPLE((late-to-class?      ) (< 25 (distance 40 55 65 80)) )
  _____
  function name          input(s)          what the function produces
```

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
```