

**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...*

<code>; late-to-class?</code>	<code>number number number number</code>	$\rightarrow$	<code>boolean</code>
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```
; Takes the coordinates of my location and a classroom and returns true :
```

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

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

function name	signature	what the function produces
(EXAMPLE ((late-to-class?	) (< 25 (distance 40 55 65 80)))	

### Definition

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

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

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

what the function does with these variables