CS 888 Measuring Stairs Cherry Zhang



Location: Columbia Lake Townhouse

Measurements:

rise = 7.5" run = 10" angle = 37

Requirements:

```
* 6" < rise < 8" => OK

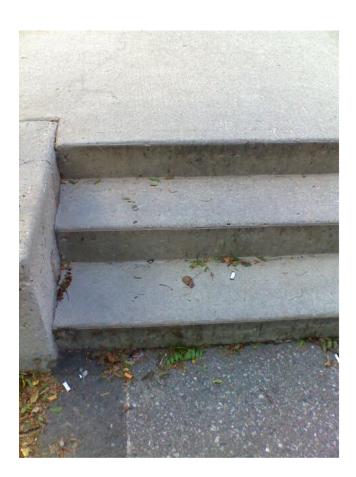
* 70 < rise x run < 75 => OK ( rise x run = 75 )

* 17 < rise + run < 17.5 => OK ( rise + run = 17.5)

* 24 < 2*rise + run < 25 => OK ( 2rise + run = 25 )
```

Feels:

good!!



Location: St. Jerome's College; outside cafeteria

Measurements:

rise = 6" run = 10.5" angle = 30

Requirements:

```
* 6" < rise < 8" => (sort of) OK ( rise = 6" )

* 70 < rise x run < 75 => Not OK ( rise x run = 63 )

* 17 < rise + run < 17.5 => Not OK ( rise + run = 16.5 )

* 24 < 2rise + run < 25 => Not OK ( 2rise + run = 22.5 )
```

Feels:

Too "shallow"; steps are too "small" when coming down; possibly because the rise is too low.