

## Questions 4-5

You are then asked to design a function called `speeding?` that checks if a car's speed is over the speed limit of 110 km/hr.

### Question 4

1 point possible (graded)

What is the signature for this function?

☐ `;; Number -> Boolean`

☐ `;; Number -> String`

☐ `;; CarSpeed -> String`

☒ `;; CarSpeed -> Boolean` ✓

#### Explanation

This function will consume a `CarSpeed`, and produce a `Boolean` representing whether it is within the speed limit

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**i** Answers are displayed within the problem

### Question 5

1 point possible (graded)

Which of the following would not be valid test(s) for this function?

☐ `(check-expect (speeding? 111) true)`

☒ `(check-expect (speeding? 250) true)` ✓

☐ `(check-expect (speeding? 0) false)`

☐ `(check-expect (speeding? 110) false)`

☒ `(check-expect (speeding? 200) "yes")` ✓

#### Explanation

250 is not a `CarSpeed`, "yes" is not a `Boolean`

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