

Exer 1.2

[A/AC101]

Each of the following statements has a syntax mistake. Write the statements properly and give a sentence saying what was wrong. (Cut and paste the correct statement from R, along with any output that R gives and your sentence saying what was wrong in the original.)

Here's an example:

QUESTION: What wrong with this statement?

```
> a = read.csv(myfile.csv)
```

ANSWER: *It should be*

```
> a = read.csv("myfile.csv")
```

The file name is a character string and therefore should be in quotes. Otherwise it's treated as an object name, and there is no object called myfile.csv.

Now for the real thing. Say what's wrong with each of these statements for the purpose given:

1. `> seq(5;8)` to give `[1] 5 6 7 8`

2. `> cos 1.5` to calculate the cosine of 1.5 radians

3. `> 3 + 5 = x` to make `x` take the value `3+5`

4. `> sqrt[4*98]` to find the square root of 392

5. `> 10,000 + 4,000` adding two numbers to get 14,000

6. `> sqrt(c(4,16,25,36))=4` intended to give

```
[1] FALSE TRUE FALSE FALSE
```

7. `> fruit = c(apple, berry, cherry)` to create a collection of names

[1] "apple" "berry" "cherry"

8. $> x = 4(3+2)$ where x is intended to be assigned the value 20

9. $> x/4 = 3+2$ where x is intended to be assigned the value 20