



Microsoft: DAT209x Programming in R for Data Science



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Quiz due Jun 27, 2016 at 23:30 UTC



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Lab due Jun 27, 2016 at 23:30 UTC



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Question 1

(1/1 point)

Which three of the following options are functions?

☒ c() ✓☒ sin() ✓☐ pi()☒ plot() ✓

Note: Make sure you select all of the correct options—there may be more than one!

EXPLANATION

You have used 2 of 2 submissions

Question 2

(1/1 point)

How many mandatory (required) argument(s) does the sin() function has?

☐ 0

☒ 1 ✓

☐ 2

☐ 3

EXPLANATION

You have used 1 of 2 submissions

Question 3

(1/1 point)

You are defining a simple function called `addsub` that takes two arguments. The function should return a vector that contains two elements. The first element is the addition of both arguments. The second element is the first argument subtracted by the second argument. If both arguments are not supplied, the function should return two zeros instead.

Which of the following code will achieve your task?

☐

```
addsub<-function(x,y){ return(c(x+y,x-y)) }
```

☐

```
addsub<-function(x=0,y){ return(c(x+y,x-y)) }
```

☐

```
addsub<-function(x,y=0){ return(c(x+y,x-y)) }
```

☒

```
addsub<-function(x=0,y=0){ return(c(x+y,x-y)) }
```

**EXPLANATION**

You have used 1 of 2 submissions

Question 4

(1/1 point)

You are examining the following code.

```
a <- 7
b <- 5

myfunc <- function(x,y){
  a <- x+y
  b <- x-y
  return(a*b)
}
```

What will be printed in the console when you call the function and pass 3 and 4 as the first and second parameters respectively?

(Try answering without actually running the code)

☐ 24

☐ -24

☐ 7

☒ -7 ✓

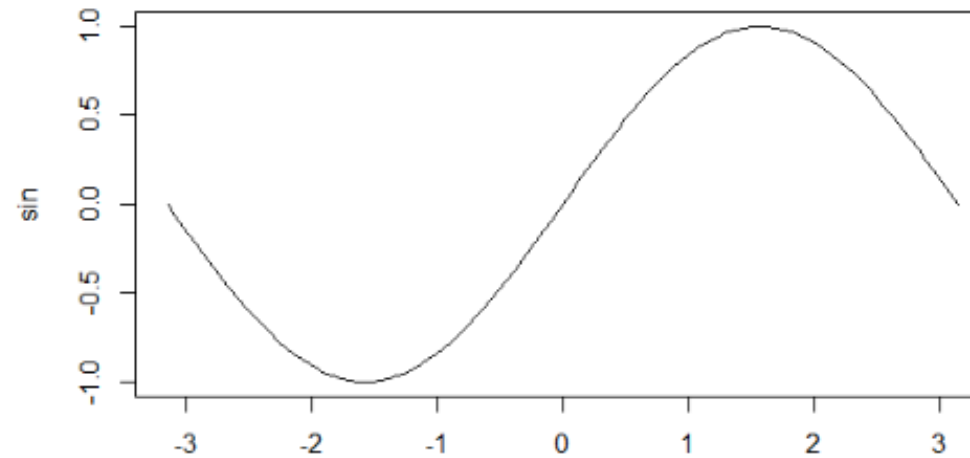
EXPLANATION

You have used 1 of 2 submissions

Question 5

(1/1 point)

Which of the following code resembles the plot below?



☐ `plot(sin, 0, 2*pi)`

☐ `plot(sin, -pi, 2*pi)`

☒ `plot(sin, -pi, pi)` ✓

☐ `plot(sin, pi, 3*pi)`

EXPLANATION

You have used 1 of 2 submissions



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