Question 1

(1/1 point)

Which line do you find most likely to be rnorm(3, mean=2, sd=1) command?

- 3.373546 4.183643 3.164371
- 1.373546 2.183643 1.164371 ✔
- 5.373546 6.183643 5.164371
- -2.626454 -1.816357 -2.835629

EXPLANATION

You have used 1 of 2 submissions

Question 2

(1/1 point)
What number should you use in the set.seed() function in order to make your code reproducible?

- Any small number below 100
- Any number divisible by 10
- Any number as along as you are using the same number the next time you run the set.seed() function ✔
- Any number above 100

EXPLANATION

You have used 1 of 2 submissions

Question 3

(1/1 point)
You are examining the following code.

```
n<-1000
doone <- function(){
  x<-rbinom(1,50,1/6)
  p<-x/50
  p
}
p.sim<-replicate(n,doone())
```

Which two options describe the result of p.sim if you change the value of n to be 10000?

- [ ] The number of elements of p.sim will remain the same.
- [x] The number of elements of p.sim increase ten-folds. ✔
- [x] The mean of p.sim will get closer to 1/6. ✔
- [ ] The mean of p.sim will get closer to 50.

✔

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

EXPLANATION

You have used 1 of 2 submissions

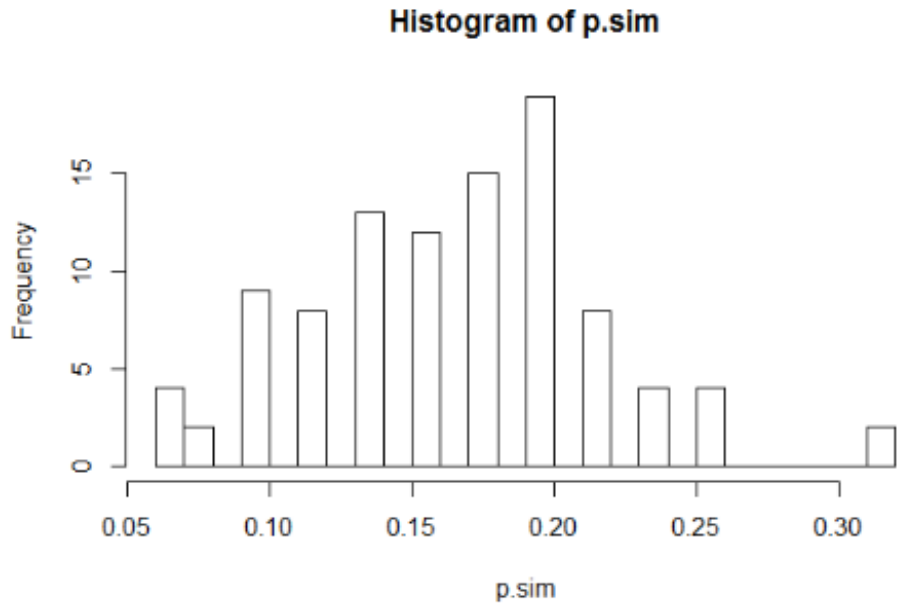
Question 4

(1/1 point)

You are examining the following code.

```
doone <- function(){
  x<-rbinom(1,50,1/6)
  p<-x/50
  p
}
p.sim<-replicate(n,doone())
hist(p.sim,breaks=20)
```

The resulting plot is shown as follows:



Which is the most likely value of n?

- (•) 100 ✔
- ( ) 1000
- ( ) 10000
- ( ) 100000

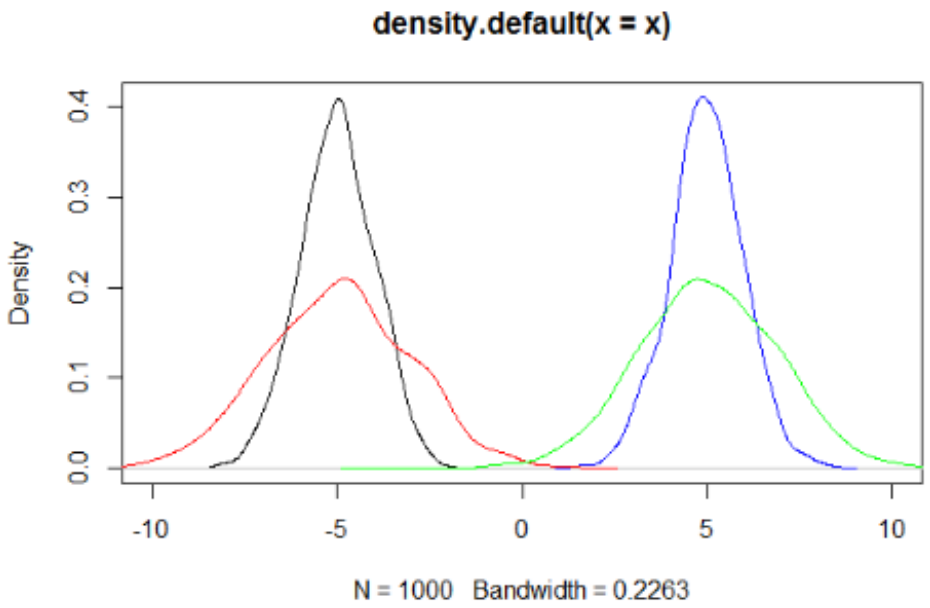
EXPLANATION

You have used 1 of 2 submissions

Question 5

(1/1 point)

You are examining the following plot.



Which command would simulate the distribution colored green?

- rnorm(1000)
- rnorm(1000, sd=2)
- rnorm(1000, mean=5)
- rnorm(1000, mean=5, sd=2) ✔

EXPLANATION

You have used 1 of 2 submissions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