Second Quiz - Second Section #000000900 On October 8, 2016 11:39		
Administrator Remarks	Processing	

StudentID	·	
Email	\times	
	0	[,1] [1,] 4 [2,] 3 [3,] 2 [4,] 1
<pre>What is the output of the above code? > y <- matrix(c(4,3,2,1),byrow=true) > y</pre>	0	[,1] [,2] [,3] [,4] [1,] 4 3 2 1
	0	[,1] [,2] [1,] 4 3 [2,] 2 1
	0	Error
What will the dimension of matrix.std be if the following	0	3*3
code script is executed?	0	4*2
>h<-rbind(c(1,2) , cbind(c(3,4), c(5,6))) >matrix.std<-cbind(h,c(7,8))	0	2*4
	0	Error
Three matrices are given below, Which one of the	0	t(mymatrix1)%*%mymatrix2
following will give me mymatrix3?	0	t(mymatrix1)*mymatrix2
<pre>> mymatrix1</pre>	0	mymatrix1*mymatrix2
	0	mymatrix1%*%mymatrix2
The matrix below shows us Height and Weight values of students in class.	0	>weight.height <- cbind(weight.height,vec) >weight.height <-

> weight.height Anil Sema Ayca Height 1.76 1.68 1.63 Weight 70.00 48.00 51.00		cbind(weight.height,vec[c(3,4)]) >colnames(weight.height) <- c("Anil","Sema","Ayca","Can","Ahmet")
Two more Students Can and Ahmet join the class. Their Height and Weight values are given in the vector:	0	>weight.height <- cbind(weight.height,vec[c(1,2)],vec[c(3,4)]) >names(weight.height) <- c(names(weight.height),c("Can","Ahmet"))
<pre>vec <- c(1.85,77,1.79,65) names(vec) <- c("Canh", "Canw", "Ahmeth", "Ahmetw") I want to put their data into the weight.height matrix. I also want to name the values. Which one of the following</pre>	0	>weight.height <- cbind(weight.height,vec[-c(3,4)],vec[- c(1,2)]) >colnames(weight.height) <- c(names(weight.height),"Can","Ahmet"))
will work? note that there is an extension of the vector recycling to matrices: let's run the code below in r: >x <- rbind(c(1,2,3),c(4,5,6)) >x <- cbind(x,1:6) warning message: in cbind(x, 1:6): number of rows of result is not a multiple of vector length (arg 2) warning message is given by r. but that doesn't mean that it didn't add the vector to the matrix: >dim(x) 2 4	0	>weight.height <- cbind(weight.height,vec) >weight.height <- cbind(weight.height,vec[3,4]) >names(weight.height) <- c(names(weight.height) [1:3],c("Can","Ahmet"))
	0	8
What is the output if the following code is executed?	0	14
<pre>z<- matrix(c(1:16),nrow=4) z[4,2]</pre>	0	16
	0	6
What is the output if the following code script is executed? n <- matrix(c(1:20), nrow=5) x <- n[1:3,3:4] x>=13	0	FALSE TRUE FALSE TRUE TRUE TRUE
	0	TRUE FALSE TRUE FALSE FALSE FALSE
	0	FALSE FALSE TRUE TRUE TRUE
	0	TRUE TRUE FALSE FALSE FALSE
Which of the followings is/are true to generate the output "abcabc" :	0	i,iii,iv
	0	i,ii
<pre>i. rep(c("a","b","c"),2) ii. c("a","b","c") + c("a","b","c") iii. c(c("a","b","c"),"a","b","c") iv. c(c("a","b","c"),c("a","b","c"))</pre>	0	iii,iv
	0	i,ii,iii
		-5 -2.5 0 2.5 5
What is the output of seq(-5,5,len=5)?	0	5 2.5 0 -2.5 -5
	0	-5 0 5
	0	5 0 -5

[,1] [,2] [,3] [1,] 27 64 125 [2,] 216 343 216 [3,] 125 64 27
[,1] [,2] [,3] [1,] 16 25 36 [2,] 49 64 49 [3,] 36 25 16
[,1] [,2] [,3] [1,] 27 216 125 [2,] 64 343 64 [3,] 125 216 27
[,1] [,2] [,3] [1,] 16 49 36 [2,] 25 64 25 [3,] 36 49 16
ii,iii
i,ii
iii,iiii
i,ii,iiii