

Feedback — Week 4 Quiz

You submitted this quiz on **Sun 27 Jan 2013 3:30 PM PST**. You got a score of **9.00** out of **10.00**. You can [attempt again](#), if you'd like.

Question 1

What is the difference between the `colorRamp()` and the `colorRampPalette()` functions?

Your Answer	Score	Explanation
<input checked="" type="radio"/> <code>colorRamp()</code> returns a function that accepts inputs between 0 and 1; <code>colorRampPalette()</code> returns a function that accepts integer inputs	✓ 1.00	
Total	1.00 / 1.00	

Question 2

What function can be used to convert a color specified using decimal values of red, green, and blue into a character string using hexadecimal values?

Your Answer	Score	Explanation
<input checked="" type="radio"/> <code>rgb()</code>	✓ 1.00	
Total	1.00 / 1.00	

Question 3

Which string would match the following literal expression

powder

Your Answer	Score	Explanation
<input checked="" type="radio"/> take a hike at gunpowder falls park	✓ 1.00	
Total	1.00 / 1.00	

Question 4

What text would the expression

^[Hh]

match?

Your Answer	Score	Explanation
<input checked="" type="radio"/> Any text that begins with a lower- or upper-case "h"	✓ 1.00	
Total	1.00 / 1.00	

Question 5

Which of the following lines of text match the following expression?

^([a-z]+) +\1 +[a-z]+ [0-9]


Your Answer	Score	Explanation
<input checked="" type="radio"/> night night at 8	✓ 1.00	

Total

1.00 / 1.00

Question 6

What does the 'grep()' function do when called with its default arguments?

Your Answer	Score	Explanation
<input checked="" type="radio"/> returns the indices for strings in a character vector that match a given regular expression	 1.00	
Total	1.00 / 1.00	

Question 7


Consider the following regular expression

```
^s(.*)r
```

and the string

```
she likes rum raisin after running hard
```

How many characters long is the regular expression match in this string?

Your Answer	Score	Explanation
<input checked="" type="radio"/> 11	 1.00	
Total	1.00 / 1.00	

Question 8

In the R system of classes and methods, what is a generic function?

Your Answer	Score	Explanation
<input checked="" type="radio"/> a function that identifies the class of its input and calls an appropriate method on the input	✓ 1.00	
Total	1.00 / 1.00	

Question 9

What function is used to obtain the function body for an S4 method function?

Your Answer	Score	Explanation
<input type="radio"/> showMethods()	✗ 0.00	
Total	0.00 / 1.00	

Question 10

What does the 'setOldClass()' function do?

Your Answer	Score	Explanation
<input checked="" type="radio"/> registers an S3 class as a formally defined class so that objects of this class can be used with S4 generic functions	✓ 1.00	
Total	1.00 / 1.00	

