Name:＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿   Date:＿＿＿＿＿＿＿＿＿＿＿

LAB 3F: Maps
Response Sheet

Directions: Record your responses to the lab questions in the spaces provided.

Informative and Fun!

Getting ready to map

Load your data!

Build a Basic Map

(1) Write and run code using the `leaflet()` function and the `mtns` data to create the `leaf` that we can use for mapping.

```
mtns_leaf <- leaflet(_____)
```

(2) Then, write and run code inserting `mtns_leaf` into the `addTiles()` function and assign the output the name `mtns_map`.

Including our data

(3) Fill in the blanks below with the basic map we've created and the values for latitude and longitude.

```
addMarkers(mtns_map = _____, lng = ~_____, lat = ~_____)
```

(4) Write and run code supplying the peak variable, in a similar way as we supplied the `lat` and `long` variables, to the popup argument and include it in the code above.

(5) Click on a marker within your state of choice and write down the name of the mountain you clicked on.

Colorize

(6) Fill in the blanks below to create a new variable that assigns a color to each mountain based on the `state` it's located in.

```
mtns <- mutate(_____, state_colors = colorize(_____))
```

(7) Write and run code creating `mtns_leaf` and `mtns_map` as you did before.

Showing off our colors

(8) Then, fill in the blanks below to place a legend in the top-right hand corner.

```
addLegend(_____, colors = ~unique(_____), labels = ~unique(_____))
```