Lab warmup 11/6

Name: _____

1. The "core" functions from the `infer` package for doing statistical inference are listed below. For each function, describe its use. Also, for the parameters with `name = _____` describe what these parameters do and **all** possible values for these parameters. Note, that I don't include every parameter for these functions in this exercise, but I did include most of the ones that we will use.

```
specify(x, response = ______, explanatory = ______, success = ______)
```

- specify():

- response:
- explanatory:
- success:

```
hypothesize(x, null = ______, type = ______, p = ______, mu = ______, med
= ______)
```

- hypothesize():

- null:
- type:
- p:
- mu:
- med:

```
generate(x, reps = ______, type = ______)
```

- generate():

- reps:
- type:

```
calculate(x, stat = ______, order = ______)
```

- calculate():

- stat:
- order:

2. What does each of possible values for the `type` argument in `generate()` do? For each possible value, give an example of when you would use it.

3. The `get_p_value()` function from `infer` helps us get p-values. What does the `direction` argument in that function do? What are the three possible values for `direction`. Please draw a diagram of each of the three options for `direction` (hint: start by drawing a null distribution).