

Exercise 1

4. Consider the `round()` function.

a. Pull up the help file.

```
> help(round)
```

b. What does this function do?

```
> # It takes a number and rounds it to the specified number of digits
```

c. What arguments does this function take?

```
> # x = a number (or vector) to be rounded  
> # digits = the number of decimal places to round to
```

d. Which (if any) arguments are required?

```
> # x is required
```

e. Which (if any) arguments have defaults? What are these defaults?

```
> # digits defaults to 0
```

f. Round $365/12$ to the nearest 10th, naming all arguments.

```
> round(x = 365/12, digits = 1)  
[1] 30.4
```

g. Round $365/52$ to the nearest 100th, without naming any arguments.

```
> round(365/52, 2)  
[1] 7.02
```