Lists and Co.

Domain and Range

(a) Determine the domain and range of the following Snap! blocks.

Domain: _____, _____

Range: _____

Domain of Foo: _____

Range of Foo: _____

Type of Bar: _____

(b) Fill in the information table for the Higher Order Functions.

Higher Order Function	Domain	Range	Notes
map ( ) over ◀▶			
keep items such that ( ) from			
combine with ( ) items of			

Input Function

	Type	Domain	Range	Notes
map				
keep				
combine				

Higher Order Functions (HOFs)

(a) Fill in the blanks so that the HOF reports a list of the odd numbers in MyList.

```
MyList = list(3, 7, 8, 10, 4, 7)

Keep items such that (_____) from (_____)
```

(b) Write an expression that reports the sum of the squares of the numbers in YourList.

```
YourList = list(4, 2, 3, 1)
```

_____

_____

(c) Describe the output of the following code. OurList is a list of words.

_____

(d) Find the length of a list using HOFs. You are not allowed to use the "length of list" default block.

_____

_____