1. (6 pts) What is the output (if any) of the following Ruby programs? Write FAIL if code does not execute.

   a. (2 pts) a = “foodie”
      if a =~ /(o+)/ then
         puts $1
      end
      # Output =

   b. (2 pts) a = [ ]
      a[“foo”] = “bar”
      puts a[“foo”]
      # Output =

   c. (2 pts) a = [ ]
      a[“foo”] = “bar”
      puts a[“foo”]
      puts a[“bar”]
      # Output =
2. (8 pts) Write a Ruby method `extractNum` that given a string `str`, uses regular expressions and back references to print the first sequence of consecutive digits in the string. For instance, `extractNum(“foo12bar154zed”)` should print “12”. Print “None” if there are no digits in the input string.

```ruby
def extractNum(str)
  # Implementation
end
```

3. (6 pts) Write a Ruby method `prtStrArray` that given an array of strings `strs`, uses the `Array.each` method and a code block to print out all the strings prefixed by “=”. For instance, given the array [“foo”, “bar”], your code should print out the following:

```ruby
=foo
=bar
```

```ruby
def prtStrArray(strs)
  # Implementation
end
```

<table>
<thead>
<tr>
<th>Some helpful functions (not all need to be used)</th>
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<tbody>
<tr>
<td>a.size // number of elements in the array</td>
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<tr>
<td>a.each { … } // apply code block to each element in array</td>
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