QUIZ!

Use a full sheet of 8½x11" paper. (Half sheet? Half credit!)

Put **only your last name** in the **far upper left hand corner** of the sheet, where a staple would hit it. It's OK to write BIG, just start in the corner!

| Mitchell | AVOID A ½-POINT DEDUCTION! |

Keep answers short! Avoid full sentences. Feel free to abbreviate.

5 questions; 3 minutes; 3 points. Plus a ½ point E.C. question.

Numbering responses may help you avoid overlooking a question. You may go ahead and number your paper.

1. How can we quickly tell whether an identifier is a global variable?

2. In Ruby's world, what is an iterator?

3. What keyword does an iterator use to invoke a block?

4. What element of Haskell is a Ruby block most like?

5. Assuming **x** is an array, print the elements in **x**, one per line, using the iterator **each** with an appropriate block.

E.C. ½ point: Write a trivial iterator.

Solutions

1. *How can we quickly tell whether an identifier is a global variable?* Starts with a dollar sign, like `$x`.

2. *In Ruby's world, what is an iterator?*
   An iterator is a method that can invoke a block.

3. *What keyword does an iterator use to invoke a block?* `yield`

4. *What element of Haskell is a Ruby block most like?*
   An anonymous function, I'd say.

5. *Assuming* `x` *is an array, print the elements in* `x`, *one per line, using the iterator* `each` *with an appropriate block.*

   ```
   x.each {|e| puts e}
   ```

E.C. ½ point: Write a trivial iterator.

```
def itr
    yield 7
end
```