Practice Quiz
(0 points)

Name: _____ Section Leader: _____

Directions: This quiz is closed book, closed notes, closed neighbor, **and worth no points**. This is not a group project; do your own work. Write complete yet concise answers to each of the following questions. Showing your work, even when appropriate, still won't earn you any points. If you have time, double–check your work before you turn in your paper; any points you save, alas, will be imaginary.   Week 3 (2014/01/27)

1. (2 'points') In class we listed four attributes that variables possess. Name any two of them.

   > The four named in class were address, name, type, and value. There are other possible answers, such as 'scope.'

2. (2 'points') Explain why it makes sense for unary negation to have right-to-left associativity.

   > Consider the expression `--5`. If we used left-to-right associativity, the first negation would be applied to the second, which doesn't make sense. By using right-to-left, the right-most negation is first applied to the value 5, then the left-most negation can be applied to the resulting value.

3. (2 'points') What are the names of the two operators in the statement `a = (char) b;` ?

   > In the order that they would be executed: cast and assignment.

4. (4 'points') Add at least one 'if' statement to the following `main` method so that the message 'You are qualified!' (without the quotes) is displayed whenever `temp` is above 100 and `humidity` is at or below 40.

```
public class Quiz00
{
    public static void main (String [] args)
    {

        // assume temp and humidity are declared and assigned values here
```

> There are multiple ways to do this. Here's one with one if statement:
> ```
>         if (temp > 100 && humidity <= 40)
>             System.out.println("You are qualified!");
> ```
> And here's one using two:
> ```
>         if (temp > 100) {
>             if (humidity <= 40) {
>                 System.out.println("You are qualified!");
>             }
>         }
> ```

```
    }

}
```