Name: _____

This is the closed notes section of Quiz 2. You must turn this section in before you "open" any reference material such as notes or books. This section must be turned in by 11:15 am.

Problem 1 (5 points)
What is a *dope vector*? Why are dope vectors generally not used in C?

Problem 2 (5 points)
Is the C and Java ++ operator ever applied to a *r-value*? Why?

Problem 3 (8 points)
Illustrate the concept of precedence by giving a precedence table that will reflect the ways in which Java and C interpret the following boolean expression

```
x <= y && z * x + y < 14 / x
```

Problem 4 (5 points)
Describe how the `union` is implemented in C?

Problem 5 (4 points)
Where are the local non-static variables of a C procedure stored?

Problem 6 (4 points)
Where are the local non-static variables of a Java method stored?

Problem 7 (8 points)
Name some significant differences between C and Java arrays and discuss how these differences impact the implementation of arrays within these languages.

Problem 8 (5 points)
How are the special characters $, @, and % used in Perl?

Problem 9 (6 points)
List several reasons why Perl is frequently used in web applications?