Quiz – 10/13/2010

For each question, mark the best answer to the question. NOTE: When you do the IF-ATs sheet, make sure that you MATCH the question number to the IF-AT sheet. Due to the nature of these kinds of items, we are not using all of the questions.

Evaluate the following expressions:

|  |  |
| --- | --- |
| **Q1** | bluebird \* 2 > amount |
|  | |  |  | | --- | --- | |  | true | |  | false | |  | INVALID | |
|  |  |
| **Q2** | loVal > alligator && alligator > hiVal |
|  | |  |  | | --- | --- | |  | true | |  | false | |  | INVALID | |
|  |  |
| **Q3** | yes && !no |
|  | |  |  | | --- | --- | |  | true | |  | false | |  | INVALID | |
|  |  |
| **Q5** | loVal < alligator < hiVal |
|  | |  |  | | --- | --- | |  | true | |  | false | |  | INVALID | |
|  |  |
| **Q6** | (!yes || !no) == (!(yes && no)) |
|  | |  |  | | --- | --- | |  | true | |  | false | |  | INVALID | |
|  |  |
| **Q7** | true = (alligator < 100) |
|  | |  |  | | --- | --- | |  | true | |  | false | |  | INVALID | |
|  |  |
| **Q12** | yes && ((alligator > grade + 5) && (amount <= 50)) |
|  | |  |  | | --- | --- | |  | true | |  | false | |  | INVALID | |

For the following, match the Boolean expression to the description.

|  |  |
| --- | --- |
| **Q13** | Which expression will evaluate to true if int variable num is even and false if odd? |
|  | |  |  | | --- | --- | |  | num == odd | |  | num / 2 == 1 | |  | num % 1 == 0 | |  | num % 2 == 1 | |
| **Q14** | Which expression below will evaluate to true if the int variable age is between 1 and 13 inclusively and false otherwise? |
|  | |  |  | | --- | --- | |  | age > 1 && age < 13 | |  | age >= 1 && age <= 13 | |  | age > 1 || age < 13 | |  | age >= 1 || age <= 13 | |
| **Q15** | Which expression below will return true if the double variable, money, is within .001 of $50.00? |
|  | |  |  | | --- | --- | |  | money <= 50.00 + .001 | |  | Math.abs(50.00 - .001) > money | |  | Math.abs(money – 50.00) <= .001 | |  | money – 50.00 <= .001 | |