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 |

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