**Keno Rubric**

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| **Objective** | **Points Possible** | **Points Earned** |
| Does your program allow you to enter in the number of games to be played | 6 |  |
| Does your program allow you to choose the number of "spots" to play? | 4 |  |
| Does your program allow you to do an "easy pick"? (randomly picks unique numbers) | 10 |  |
| **Run your program with 10000 games, 5 spots and Easy Pick.** |
| Does your program output the number of wins and losses? (should add up to 10000) | 6 |  |
| Does your program output how many times you matched 0, 1,2, 3, 4 and 5 spots? | 12 |  |
| Does your program output the percentages for each of the numbers 1 through 80? | 8 |  |
| Is the number output nicely formatted? | 4 |  |
| Does your program output the all 20 numbers for those games you matched all five numbers? | 8 |  |
| Add up the number of times you matched 3, 4 or 5 numbers. Does that equal the wins? | 4 |  |
| Perform this math: (2 \* # of times 3 spots matched + 18 \* # of times 4 spots matched + 410\* # of times 5 spots matched) - 10000. Does this equal your Earnings output? | 8 |  |
| Are all number percentages greater than 22% or less than 28% ? | 4 |  |
| Does your program accurately output the hottest number? (cross reference with number frequency table ) | 6 |  |
| Does your program accurately output the coldest number? (cross reference with number frequency table ) | 6 |  |
| **Run your program with 10,000,000 games and 10 numbers. Manually enter your numbers. Use 1 thru 10.** |
| Does your program output total matches (0 through 10)? | 8 |  |
| Are all number percentages between than 24.9% 25.1% ? | 6 |  |
| **Total** | 100 |  |