COP 3223 Fall 2013 Grading Criteria Program 6
Total: 100 points

Problem A(30 pts)

Execution Points (18 pts)
3 points for each of the following six test cases:

1) 150, 30, 40 (see sample)
2) 400, 40, 80 (both every other)
3) 400, 80, 40 (bothe very other)
4) 20, 1, 1 (both on all)
5) 27, 5, 7 (one or the other)
6) 1000, 78, 130

Note: if a program doesn't compile, but all the logic is correct, you may award upto 4 of the 8 execution points. This will be left up to your mercy and discretion.

Also, if none of the test cases work because of a simple logical error, feel free to deduct 1 to 4 points for that logical error.

Points for Code (8 pts)
1) All input values are read in (2 pts)
2) A loop is in the code (2 pts)
3) All three possible prints are somewhere in the code (2 pts)
4) If statements appear somewhere in the code (2 pts)

Points for Comments & Style (4 pts)
1) Header comment with name, course number, section number, assignment title, and date. (1 pts)
2) Indentation and use of white space (1 pt)
3) Appropriate variable names (1 pt)
4) Internal comments (1 pt)

Problem B (35 pts)
Execution Points (20 pts)
1) Prompts user for appropriate values and reads them in correctly (4 pts)
2) Test cases: 4 pts for each of these cases:

      a) 20, 4 (parameters) game: 4, 4, 4, 4, 4
      b) 5, 5 (parameters) game: 5
      c) 6, 5 (parameters) game: 5, 1
      d) 15, 3 (parameters) game: 2, 3, 2, 3, 2, 3

Take off 2 points total if the only incorrect thing is the # of the player who won.

Note: if a program doesn't compile, but all the logic is correct, you may award upto 10 of the 20 execution points. This will be left up to your mercy and discretion. Also, if none of the test cases work because of a simple logical error, feel free to deduct 1 to 4 points for that logical error (based on your assessment of its severity) instead of the full 20 points for all the test cases.

Points for Code (11 pts)
1) There is a loop. (3 pts)
2) Amount of candy is adjusted. (3 pts)
3) Method to exit the loop depends on candy left. (3 pts)
4) There is a print for the winner. (2 pts)

Points for Comments & Style (4 pts)
1) Header comment with name, course number, section number, assignment title, and date. (1 pts)
2) Indentation and use of white space (1 pt)
3) Appropriate variable names (1 pt)
4) Internal comments (1 pt)

Problem C(35 pts)
Execution Points (22 pts)
1) Prompts user for appropriate input values and reads them in (2 pts)
2) Properly does the following while executing:
      a) Gives multiplications of numbers from 0 to 12. (4 pts)
      b) Gives the correct number of multiplications. (4 pts)
      c) Properly checks if your answer is correct. (4 pts)
      d) Prompts with same problem if incorrect answer. (4 pts)
      e) Prints out the time it took to complete the problems. (4 pts)

Note: if a program doesn't compile, but all the logic is correct, you may award upto 11 of the 22 execution points. This will be left up to your mercy and discretion.

Also, if none of the test cases work because of a simple logical error, feel free to deduct 1 to 4 points for that logical error (based on your assessment of its severity) instead of the full 22 points for all the test cases.

Points for Code (9 pts)
1) Uses loop to iterate through all problems (3 pt)
2) Uses loop for each question until correct (3 pt)
3) Has a mechanism for keeping track of time (3 pts)

Points for Comments & Style (4 pts)
1) Header comment with name, course number, section number, assignment title, and date. (1 pts)
2) Indentation and use of white space
3) Appropriate variable names (1 pt)
4) Comments in code (1 pt)

General note: Please record the score as an integer. To ensure this, never take off fractional points, either take a point off or don't. A good way to balance this out if you feel like taking off fractional points is if you see a two mistakes worth .5 points each, just take off 1 point for 1 of them.

When you give the students comments, just tell them how much you took off and for what. Also, include your initials at the end of your comment so students know who graded their assignment.