CS:1210 (22C:16) Quiz 9 Version (a)

You have 15 minutes to complete this quiz. Please put away your books, notes, and all electronic devices Each problem is worth 5 points.

1. Suppose that the dictionary D equals {1:7, 2:6, 3:1, 4:5, 5:2, 6:4, 7:3}. Evaluate the following expressions.

   (a) `D.values()`

   (b) `D[D[D[1]]]`

   (c) `D.keys()`

   (d) `D.items()`

   (e) `D[D[5]]`

2. Suppose that D is the dictionary {"who": 1001, "which": 120, "what": 107, "when": 76, "why": 365}. Write down the value of D after each of the statements below. Assume that each statement uses the same value of D shown above.

   (a) `del D["which"]`

   (b) `D["what"] = D["when"]`

   (c) `D.update({"why": 400, "whence": 123})`

   (d) `D["will"] = 987`

   (e) `D.clear()`

3. What is the output of the following code fragment?

```
D = {"who": 4, "which": 2, "what": 1, "when": 6, "why": 5, "whence":7}
newD = {}

sumVal = 0
while D:
    item = D.popitem()
    print item
    sumVal = sumVal + item[1]
    item = D.popitem()
    print item
    newD[sumVal] = item[0]
    print D, newD
```