**Abstraction and Problem Decomposition Graded Quiz**

**TOTAL POINTS 100**

1.Question 1

You plan to throw an apple with your hand. Select all the details below that ARE important for the apple.

25 points



Color of the apple



Size of the apple



Species (granny smith, red delicious, etc.) of the apple



Mass of the apple

2.Question 2

You plan to chop an apple with a knife. Select all the details below that ARE NOT important for the apple.

25 points



Skin thickness



Density of the apple



Color of the apple



Species (granny smith, red delicious, etc.) of the apple

3.Question 3

You want to ask the user how many scores they want to enter, let them enter the scores, and print out each of the scores they entered. Select the sub-problem below that is NOT a reasonable result of problem decomposition

25 points



Calculate the mean of the scores

4.Question 4

Select all of the following that are reasonable sub-problems if you've decided to "go green" (reduce your impact on or better the environment)

25 points



Reduce energy consumption



Drive your car more to shop at local businesses



Recycle



Compost food waste