Integer Word Problems

1. Katherine is very interested in cryogenics (the science of very low temperatures). With the help of her science teacher she is doing an experiment on the affect of low temperatures on bacteria. She cools one sample of bacteria to a temperature of -51°C and another to -76°C. What was the temperature difference in the two experiments?
A) -127
B) -25
C) 127
D) 25

2. On Tuesday the mailman delivers 3 checks for $5 each and 2 bills for $2 each. If you had a starting balance of $25, what is the ending balance?
A) 26
B) 36
C) 6
D) -26

3. You owe $225. on your credit card. You make a $55. payment and then purchase $87 worth of clothes at Dillard's. What is the integer that represents the balance owed on the credit card?
A) -367
B) -257
C) 257
D) 367

4. If it is -25F in Rantoul and it is 75F in Honolulu, what is the temperature difference between the two cities?
A) -125
B) 50
C) -50
D) 100

5. During the football game, Justin caught three passes. One was for a touchdown and went 52 yards. The other was for a first down and was for 17 yards. The other was on a screen pass that did not work so well and ended up a gain of -10 yards. What was the total yardage gained by Justin on the pass plays?
A) 62
B) -39
C) 69
D) 59

6. James plays in the backfield of the Big Town football team. Last week he ran four plays from the halfback position. He made "gains" measured in yards of 3, 4, 1, and 5. What were his average yards per gain? Round your answer to the nearest tenth of a yard.
A) 13
B) 3
C) 4
D) 3.2