Orientation Exercises 2

1. The average height of 5 basketball players at South High School is 6 feet 2 inches. If four of these players have heights of 5' 8", 6' 0", 6' 5", and 6' 6", how tall is the fifth player?
   A. 5'10"
   B. 5'11"
   C. 6'1"
   D. 6'2"
   E. 6'3"

2. There are 6 blue, 8 green, 5 red, and 10 yellow marbles in a bag. If a marble is picked from the bag at random, what is the probability that it will be green or red?
   A. $\frac{1}{2}$
   B. $\frac{14}{29}$
   C. $\frac{13}{29}$
   D. $\frac{2}{14}$
   E. $\frac{1}{2}$

3. Wendy bought a wallet for $16.99, a key case for $10.95, and a duffel bag for $15.99. Including a sales tax of 5%, what was the total bill?
   A. $36.13
   B. $41.73
   C. $43.93
   D. $46.13
   E. $48.23

4. When the bus fare increased from 50¢ to 60¢, it represented a percent increase of
   A. 10%
   B. $16\frac{2}{3}\%$
   C. 20%
   D. 30%
   E. $83\frac{1}{3}\%$

5. During a sale of computers, one-fourth of the inventory was sold the first day. The next day two-thirds of the remaining inventory was sold. What percent of the total inventory was sold during the second day?
   A. $8\frac{1}{3}\%$
   B. $16\frac{2}{3}\%$
   C. 25%
   D. 50%
   E. $66\frac{2}{3}\%$

6. A long distance telephone call from Center City to Smithville costs $3.25 for the first 3 minutes and $0.45 for each additional minute. How many minutes can a person talk if the cost of the call is to be $10.00?
   A. 15
   B. 16
   C. 17
   D. 18
   E. 19

7. Charles earns $98 in 2 days. At the same rate of pay, how much will he earn in 5 days?
   A. $196
   B. $235
   C. $245
   D. $294
   E. None of the above

8. The Lane family drove 150 miles in 3 hours. Traveling at the same speed, how long will it take them to go an additional 250 miles?
   A. 4 hours
   B. 5 hours
   C. $5\frac{1}{2}$ hours
   D. 6 hours
   E. 8 hours

9. An iPod sold for $300, which was 200% of the actual cost. What was the actual cost?
   A. $150
   B. $450
   C. $350
   D. $500
   E. $600

10. The probability of an event occurring is 21%. What is the probability of the event not occurring?
    A. 89%
    B. 12%
    C. 79%
    D. 0.47%
    E. 99%