Solve each problem. Show ALL work and circle your answer. (5 points each)

1. This year the hockey team is selling candy bars in order to purchase new uniforms. For every $50 of candy they sell (which is the same as one box of candy), they get to keep 7% of the sales.
   a. How much commission do they make off of selling $50 worth of candy?
   
   b. How many boxes would they need to sell in order to make $500?

2. Phil just bought a new pair of basketball shoes that cost him $115. He noticed that the store had a 15% discount on all basketball equipment. Before tax, how much did the basketball shoes cost Phil?

3. A Blue Ray player is on sale for 15% off the regular price of $135. After the price reduction, a 5% sales tax is added. How much will a customer pay?

4. Kelly wants to buy an MP3 player. The regular price is $68. On Saturday, she saw a coupon in the newspaper that stated “15% off all merchandise, Saturday only!” If she used this coupon, how much will the MP3 player cost before tax?

5. Both Mr. Rice and Mr. Abraham bought Toshiba Laptops. Both of them think they got a great deal. Mr. Rice bought his computer for $399, but he had a $100 gift card. Mr. Abraham, whose laptop cost the same, had a coupon for 30%. Determine how much money each person paid and who got the better deal.
6. Aaron has a coupon that allows him to buy one pair of shorts at the regular price and get a second pair at half off. The shorts cost $25.50 per pair. When he arrives at the store, he finds out that the shorts are on sale for 30% off the regular price. However, this sale does not allow coupons to be used on the discounted items. Explain whether Aaron should use his coupon or not and why.

7. Mr. Newman is a sales representative for Nike Outlet Supply Company. He receives a monthly salary and monthly commission if he reaches his sales goal. Suppose Mr. Newman’s monthly salary is $4,000 and his commission is 8% each month he meets his goal. If Mr. Newman reached his monthly sales goals 8 out of the 12 months, how much would he earn this year?

8. While collecting receipts from Christmas shopping, Mrs. Burke noticed that the bottom part of a receipt from Macy’s was missing. She remembers that she had a 20% off coupon and the sales tax in her county is 8%. Help Mrs. Burke find the subtotal, the subtotal after the discount was applied, and her final total after the sales tax.

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Purchased:

  Dress                  $24.99
  Socks (pack of 6)     $9.99
  Sweater Vest          $39.99
  Jeans                 $29.99
  Suit Jacket           $79.99
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