

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Math 8 HW Section 3.4 Applications of Percentages:

1. Given the following chart, find the total price after tax.

Items	Price	Tax (HST 12%)	Total Cost
Textbook	\$85.00		
Bicycle	\$545.00		
Mac Book Pro	\$2500.00		
Honda Civic 2012	\$16,5000		
(Challenge) Rolex Watch			\$8,176

2. Carole works as a life insurance agent and earns 35% commission on all her sales. If her total sales last year was \$1,250,000 how much commission did she earn?
3. Kobe went to the Nike store to buy a pair of basketball shoes. The retail price is \$175 and tax is 12%. How much does he need to pay?
4. Sally went to Aritzia to buy a dress with a retail price of \$88. She waited till Boxing Day and the dress is discounted at 25% off. How much is the dress now?
5. Tiffany went to Bestbuy to buy a \$3200 Samsung TV, a \$1200 Stereo system, and a \$350 Bluray Player. How much is the total cost including tax?
6. Bob went to Tim Horton's to buy lunch for himself and his two friends. If lunch is worth \$7.50, how much is the total price after tax?

7. Bill bought a \$300 watch on sale for \$280. What is the percentage discount?
  
8. Microsoft's stock price is currently listed at \$650.00. If the stock price increases by 10% today and then decreases by 5% tomorrow, what will the stock price be?
  
9. A pair of earphones went on sale at Bestbuy at 10% off. Two weeks later, the earphones went on another 10% off. The same set of earphones is on sale at Futureshop at 20% off. Which store is selling them at a cheaper price?
  
10. Alice bought a new car at \$45,000 and each year the worth of the car depreciates by 10%. What is the worth of the car after each of the first 5 years? Show all your work and steps.
  
11. Two different companies are offering two different sales on the same product. The first company offers three discounts at 5% off, then 10% off and then 5% off. The second company offers only one discount at 20% off. Which company is offering a lower price?  
  
b) If the product is worth \$1200 how much cheaper is lower price?
  
12. At the SOURCE, the cost of a DVD movie is marked up by 40%. On Boxing day, they have a sale at 25% off. If the DVD is worth \$30, how much money does the company make?