Student: _____	**Instructor:** Ray Brown	**Assignment:** ch07.4 HW_A
Date: _____	**Course:** Math050 Fall17 CAI 20039	

1. Click the link below to watch a video recordings of concepts in this chapter. You are encouraged to watch the videos and work problems with the instructor to help ensure your understanding of the material. Take notes as you go through the material in a similar manner to how you would take notes in a traditional classroom. Writing helps you remember the concepts.

   The link below contains all of the videos for this chapter. You can watch them one at a time or binge watch the whole chapter then do chapter assignments.

   Chapter 6/7 Section Videos[1]

   ○ True - I understand the concept.
   ○ False - I am not understanding the concept and intend to seek assistance.

   1: http://www.screencast.com/t/1OaqSNLlBbAD

   Answer: True - I understand the concept.

2. Fill in the blank.

   The amount of pay before taxes, insurance, and other deductions are subtracted is called _____.

   The amount of pay before taxes, insurance, and other deductions are subtracted is called (1) _____

   (1) ○ gross pay.
       ○ net pay.

   Answer: (1) gross pay.

3. Fill in the blank.

   A worker's _____ is the amount remaining after withholdings are subtracted from gross pay.

   A worker's (1) _____ is the amount remaining after withholdings are subtracted from gross pay.

   (1) ○ gross pay
       ○ net pay

   Answer: (1) net pay

4. A credit card company offers a 2.5% annual cash back rebate on all purchases. If a person uses this credit card for $15,400 in purchases, how much is the rebate?

   The annual cash back rebate on the purchase of $15,400 is $ _____ .
   (Type an integer or a decimal.)

   Answer: 385

5. In 2009, a jury awarded $5.1 million to a man whose wife died from lung cancer after smoking two packs of cigarettes every day for more than 50 years. However, the tobacco company was found to be only 35.5% responsible. How much of the total award was the tobacco company required to pay?

The tobacco company was required to pay $ _____ million of the total award.
(Type an integer or a decimal.)

   Answer: 1.8105

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6. A worker's salary increases by 3.5%. If the raise amounts to $1400, how much was the worker being paid before the raise?

The worker was being paid $ _____ before the raise.
(Type an integer or a decimal.)

   Answer: 40,000

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7. On New Year's Eve, 300 people made New Year's resolutions. By the end of January, 21 people had kept their resolutions. What percent of the people kept their resolutions?

_____ % of the people kept their resolutions.
(Type an integer or a decimal.)

   Answer: 7

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8. If the purchase price of a portable MP3 player is $249 and the sales tax rate is 8.9%, find the sales tax and the total amount paid.

The tax charged on the purchase of $249 is $ _____ .
(Simplify your answer. Round to the nearest cent as needed.)

The total amount paid is $ _____ .
(Simplify your answer. Round to the nearest cent as needed.)

   Answers 22.16

             271.16

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9. At a small private college, 150 of 450 seniors intend to go to graduate school. What percent is this?

Choose the correct answer below.

   ◯ **A.** 3% of seniors intend to go to graduate school.
   ◯ **B.** $3.\overline{3}$% of seniors intend to go to graduate school.
   ◯ **C.** 30% of seniors intend to go to graduate school.
   ◯ **D.** $33.\overline{3}$% of seniors intend to go to graduate school.

   Answer: D. $33.\overline{3}$% of seniors intend to go to graduate school.

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10. If the purchase price of a portable MP3 player is $204 and the sales tax rate is 8.4%, find the sales tax and the total amount paid.

The tax charged on the purchase of $204 is $ _____ .
(Simplify your answer. Round to the nearest cent as needed.)

The total amount paid is $ _____ .
(Simplify your answer. Round to the nearest cent as needed.)

   Answers 17.14

               221.14

11. The bill for two diners at an upscale restaurant comes to $157.60. If the restaurant is in a state with a 7.5% sales tax rate, find the sales tax and the total amount paid (without tip).

The sales tax on the bill of $157.60 is $ _____ .
(Type an integer or a decimal.)

The total amount paid (without tip) is $ _____ .
(Type an integer or a decimal.)

   Answers 11.82

               169.42

12. A shopper paid $11.63 sales tax on an HD video recorder with a purchase price of $290.75. Find the sales tax rate.

The sales tax rate is _____ %.

   Answer: 4