

**Student:** \_\_\_\_\_**Instructor:** Ray Brown**Assignment:** ch07.4 HW\_B**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<sup>1</sup>](#)

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

1: <http://www.screencast.com/t/1OaqSNLIBbAD>

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Answer: True - I understand the concept.

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2. A homeowner buys a wireless router for a home computer network and pays \$10.80 in sales tax. If the sales tax rate is 4.5%, find the purchase price of the router.

The purchase price of the router is \$ \_\_\_\_\_ .  
(Type an integer or a decimal.)

Answer: 240

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3. A lamp on a clearance table is marked at 50% off. If the regular price is \$76.50, find the discount and the sale price.

The discount is \$ \_\_\_\_\_ .  
(Type an integer or a decimal.)

The sale price is \$ \_\_\_\_\_ .  
(Type an integer or a decimal.)

Answers 38.25

38.25

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4. A student got a \$10.50 discount on a new backpack. If the discount rate is 30%, find the original price of the backpack.

The original price of the backpack is \$ \_\_\_\_\_ .  
(Type an integer or a decimal.)

Answer: 35

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5. A realtor earns a commission of 5% on total sales. If the realtor sells a home for \$380,000, find the commission.
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The commission on the sale of the home is \$ \_\_\_\_\_ .  
(Type an integer or a decimal.)

Answer: 19,000

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6. A telemarketing company pays its employees 6% commission. Find total sales for an employee who gets \$522 in commission.
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The total sales of the employee who gets \$522 in commission is \$ \_\_\_\_\_ .  
(Type an integer or a decimal.)

Answer: 8700

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7. Click the link below to watch a short video explaining a specific topic in this section.

[Question 7.4.53<sup>2</sup>](#)

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

2: <http://www.screencast.com/t/utCWSH4X7Q>

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Answer: True - I understand the concept.

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8. A worker has 23% of her weekly pay withheld for taxes, insurance, and a pension plan. If her weekly gross pay is \$730, find her total withholdings and net pay.
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The total withholdings are \$ \_\_\_\_\_ .  
(Type an integer or a decimal.)

The net pay is \$ \_\_\_\_\_ .  
(Type an integer or a decimal.)

Answers 167.90

562.10

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9. The cost of a 16-ounce soda from a vending machine increases from \$1.75 to \$2.10. Find the percent increase.
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The cost of soda increased by \_\_\_\_\_ %.  
(Type an integer or a decimal.)

Answer: 20

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10. A company reduces its global workforce from 18500 employees to 16465 employees. Find the percent decrease.
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The workforce decreases by \_\_\_\_\_ %.  
(Type an integer or a decimal.)

Answer: 11