

Name: _____

HW #: _____

1.) Sarah deposits \$9,000 into a bank account that pays her 4.5% simple interest for 5 years.

a.) How much interest will Sarah earn over 5 years?

b.) What is the account balance at the end of 5 years?

2.) Terry deposits \$2,000 into a bank account that earns 3.7% interest per year. What is the total amount in the account after 2 years?

3.) The Smith family went through the McDonald's drive through to pick up food after the school concert. The price of the meal came to \$60. They had a 15% discount. How much is the discount?

4.) John has the following coupons for Old Navy:

10% off
Total Purchase

\$10 off
Total Purchase of \$40.00 or more

If John's purchase total is \$50. Which coupon should he use? Show work to justify.

5.) Write a situation that could result in the expression: $1.07(0.80x)$.

6.) A local factory sells sneakers to the Footlocker stores. The Footlocker store uses a 40% markup on the sneakers. If the factory sells sneakers for \$70.00 each, how much does Footlocker charge for the sneakers?

5. The selling price of a pair of pants is \$60. The price David paid for the pants included a 9% sales tax. Which expression can be used to calculate the **tax** on the pair of pants?

A. $60 + 60(0.09)$

B. $60(0.09)$

C. $60(1.09)$

D. $60(0.91)$