

Name: _____

Due: _____

Weekly Review # 4

1. The table shows prices for shoe rental, games, and snacks at the bowling alley. Gina rented shoes, bowled 3 games, and bought 1 order of nachos. She used a coupon for 20% off the price of her bowling games. What was Gina's total cost before tax was added?

Item	Price
Shoe rental	\$2.75
One game	\$2.50
Small Soda	\$0.95
Large Soda	\$1.50
Nachos	\$1.75

2. The population of a city is expected to increase by 7.5% next year. If p represents the current population, write an expression that represents the expected population next year?

3. Leo bought a used car for x dollars. One year later the value of the car was $0.88x$. Which expression is another way to describe the change in the value of the car?

- a) 0.12% decrease
- b) 0.88% decrease
- c) 12% decrease
- d) 88% decrease

4. Nguyen jogged $\frac{2}{3}$ mile in $\frac{1}{12}$ hour. What was his speed in miles per hour?

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5. Evaluate the expression $(-4.8y + 20.1) - (12.7y + 9.3)$.

6. Ann is opening a new savings account with an initial deposit of \$250. Which combination of a deposit and a withdrawal will result in a zero balance in Ann's account?

- a) Deposit \$20 in the first week and withdrawal \$270 in the second week.
- b) Deposit \$270 in the first week and withdrawal \$20 in the second week.
- c) Deposit \$250 in the first week and withdrawal \$270 in the second week.
- d) Deposit \$270 in the first week and withdrawal \$20 in the second week.

7. Javier is scuba diving while on vacation. Yesterday, he swam to -13.74 feet. Today he plans to go four times deeper. How far is Javier planning to dive today?

8. Sue set a goal of running a total of 32 miles this week. She ran $4\frac{1}{2}$ miles each morning, Monday through Friday. How many miles does she need to run this weekend in order to reach her goal for the week?