

Name: _____ Date: _____ Period: _____

Problem Set #1

Show work or write an explanation of how you arrived at your answer. Work or explanation for each problem is required to receive credit!! Write the letter of your final answer in the answer box.

1. What is the value of $(-2)^4$?

- A. -16 B. -8 C. 8 D. 16

2. Which statement is true?

- A. $|-7| = -7$ B. $|28| = -28$ C. $-|56| = 56$ D. $-|-4| = -4$

3. During one day, the value of a stock lost 4 points in the morning and then gained 7 points in the afternoon. What was the overall loss or gain of the stock's value for that day?

- A. Lost 3 points B. Lost 11 points C. Gained 3 points D. Gained 11 points

4. During the football game Justin caught three passes. One was for a touchdown and went 52 yards. The other was for a first down and was for 17 yards. The other was on a screen pass that did not work so well and ended up a loss of 10 yards. What was the total yardage gained by Justin?

- A. Gained 62 yards B. Lost 39 yards C. Gained 69 yards D. Gained 59 yards

5. You owe \$225 on your credit card. You make a \$55 payment and then purchase \$87 worth of clothes at Macy's. What is the integer that represents the balance owed on your credit card?

- A. -367 B. -257 C. 257 D. 367

ANSWERS

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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6. Mr. Firewalks pays close attention to how much money is in his checking account. One week he deposited \$230, spent \$15 on a lunch, and loaned \$25 to a friend. Write each transaction as an integer, and list them from least to greatest.

- A. -15, -25, 230 B. -230, 15, 25 C. -25, -15, 230 D. 230, -15, -25

7. What is the value of the expression: $|7| + |-3|$

- A. -10 B. -4 C. 4 D. 10

8. Solve: $|9 - 5| - |6 - 8|$

- A. -6 B. -2 C. 2 D. 6

9. Which operation will change the value of any nonzero number?

- A. Adding zero B. Multiplying by zero C. Multiplying by one D. Dividing by one

10. If $x = -4$ and $y = 3$, then evaluate $xy - 2x$.

- A. -4 B. -6 C. -19 D. -40