Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

**Unit 1 Test Review**

1. Simplify the following:

 a) 8 + (-12)

 b) 2 – (-15)

 c) -6 – 10

 d) (-11) – (-4)

2. Simplify the following:

 a) |-3|

 b) -|3|

 c) 10 + |-3|

 d) 10 - |3|

3. Find each missing value below.

 a) 12.4 + x = 0 b) 9 + x + (-3) = 0

 c) -18 + 35 + x – 54 = 0 d) 0.8 + 3/5 – 7/10 – (-0.5) + x = 0

4. Find the difference between the following pairs of values:

 a) 18 feet above sea level and 20 feet below sea level

 b) A credit of $29.28 and a debit of $12.83

 c) 45 degrees and 18 degrees below zero

5.

What is the value of A?

 What is the value of B?

 What is the value of A + B?

 What is the value of A – B?

 What is the value of B – A?

7. Julie is reading her monthly bank account statement, which shows the following transactions.

 What should his account balance read for this month?

 $26.67, -$23.88, $45.91, -$18.37, $10.38

8. Fill each blank with a >, <, or =.

 a) -5 + 5 6 – (-6)

 b) |-8 + 4| |8 – 4|

 c) -|24 – 8| -12 – 4

 d) |-9| - (-2) -1 – (-12)

9. Find the distance between the following numbers. (Hint: |x – y|)

 a) -2 and -4

 b) -8 and 3

 c) 14 and 87

 d) -29 and 45

10. Find the missing values below.

 a) If a – b = a + 9, what is the value of b?

 b) If c + d = c – 2, what is the value of d?

11. Which number line model represents the sum of -1/2 + (-3/2)?

 

12. Find each sum.

 a) 0.829 + 24.3 b) -53.87 + 97

13. Find each difference.

 a) 3/8 – 13/4 b) -4/5 – 11/15

14. Find the distance between… A & B: \_\_\_\_\_\_\_\_ A & C: \_\_\_\_\_\_\_\_

