Name: _____ **Class:** _____ **Date:** _____ **ID: A**

Unit 5 RETest

Multiple Choice
Identify the choice that best completes the statement or answers the question.

____ 1. Name a positive or negative number to represent an increase of 11 points in your math grade.

a. $-\frac{1}{11}$
b. +11
c. −11
d. $+\frac{1}{11}$

____ 2. Choose the situation that is least likely represented by −13.

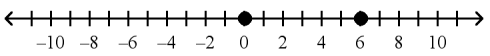
a. an increase of 13 items on a shelf
b. a reduction of 13 centimeters
c. a period of time 13 years ago
d. a depth of 13 feet

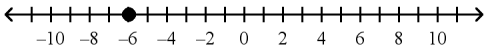
____ 3. Ina is keeping a chart of the number of flowers blooming on her plant. If the number of flowers blooming decreases, she writes a negative number. If the number of flowers blooming increases, she writes a positive number. On which day did the number of flowers blooming decrease by 4?

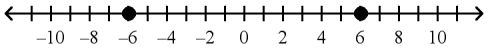
Number of Flowers					
Day	May 1	May 4	May 7	May 10	May 13
Change in Number	0	+5	−1	+3	−4
Total Number	0	5	4	7	3

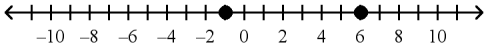
a. May 13
b. May 4
c. May 7
d. May 10

____ 4. Graph the integer 6 and its opposite on a number line.

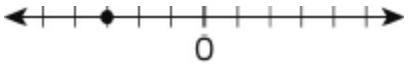
a. 

b. 

c. 

d. 

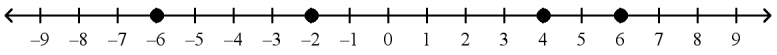
____ 5. What is the opposite of the integer on the number line? Assume that each tick mark represents 1 unit.



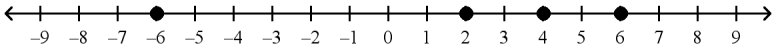
a. −3
b. 3
c. 6
d. −6

____ 6. Use a number line to order the following set of values from least to greatest.

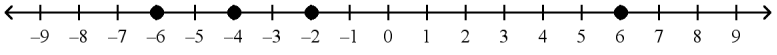
$\{-|-6|, 6, -2, -(-4)\}$

a. 

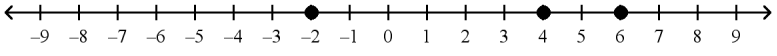
$\{-|-6|, -2, -(-4), 6\}$

b. 

$\{-|-6|, -(-4), -2, 6\}$

c. 

$\{-|-6|, -2, -(-4), 6\}$

d. 

$\{-2, -(-4), 6, -|-6|\}$

____ 7. Which shows the numbers in order from least to greatest?

a. $-3\frac{1}{4}, 0.35, -6\frac{1}{2}, -3.03$

b. $-6\frac{1}{2}, -3\frac{1}{4}, -3.03, 0.35$

c. $0.35, -3.03, -3\frac{1}{4}, -6\frac{1}{2}$

d. $-3.03, -6\frac{1}{2}, 0.35, -3\frac{1}{4}$

____ 8. Order the numbers from least to greatest.

$0.\overline{4}, \frac{1}{4}, 40\%$

a. $\frac{1}{4}, 40\%, 0.\overline{4}$

b. $40\%, \frac{1}{4}, 0.\overline{4}$

____ 9. Which of the following is correct?

a. $98\% < \frac{24}{25}$

b. $\frac{19}{50} < 37.8\%$

c. $85\% > 0.845$

d. $0.173 < 17\%$

____ 10. Determine if $-|-2|$ and $-(-2)$ have the same value. Explain.

a. No, $-|-2| = -2$ and $-(-2) = 2$.

b. No, $-|-2| = 2$ and $-(-2) = -2$.

c. Yes, $-|-2| = -2$ and $-(-2) = -2$.

d. Yes, $-|-2| = 2$ and $-(-2) = 2$.

____ 11. Using the table, when was the temperature the coldest?

Time	Temperature (°F)
9:00 P.M.	8
Midnight	5
3:00 A.M.	−1
6:00 A.M.	−6

a. 9:00 P.M.
b. Midnight
c. 3:00 A.M.
d. 6:00 A.M.

____ 12. Write a scenario that could be solved by finding the value of $|-14|$.

a. Lizzie loaned her friend some money, which caused the balance of Lizzie's account to change by −14. How much money did Lizzie loan her friend?
b. Macie used 14 stamps from her collection. How many stamps does Macie have now?
c. Jose is diving from 14 feet above water. How many feet under water will he go under when he dives?
d. Tao has 14 baseball cards. How many cards will Tao need to buy in order to double his collection?

____ 13. What is $|-13|$?

a. −13
b. 0
c. 1
d. 13

____ 14. In a car race, Elvin's car finished in third place with a time of 56 minutes and 14 seconds. The table shows the times of the other racers as compared to Elvin's time.

Racer	**Time (min:s)**
Annie	+0:18
John	−0:06
Roy	−0:10
Emily	+0:22

Who won the race? How do you know?

a. Emily; Emily's time is furthest from Elvin's.
b. John; John's time is closest to Elvin's.
c. Roy; Roy's time is less than Elvin's and further from Elvin's time than John's.
d. Annie; Annie's time is greater than Elvin's and closer to Elvin's time than Emily's.

Unit 5 RETest
Answer Section

MULTIPLE CHOICE

1. ANS: B PTS: 1 REF: 9327ee75-9631-11dd-8a40-001185f11039
   OBJ: Identifying Positive and Negative Numbers in the Real World
   NAT: NT.CCSS.MTH.10.6.6.NS.5 LOC: MTH.C.06.02.001 | MTH.C.06.02.003
   TOP: Integers and Absolute Value KEY: positive | negative | integer
   DOK: DOK 1
2. ANS: A PTS: 1 REF: 932f158f-9631-11dd-8a40-001185f11039
   NAT: NT.CCSS.MTH.10.6.6.NS.5 TOP: Integers and Absolute Value
   DOK: DOK 2
3. ANS: A PTS: 1 REF: SCT40050 NAT: NT.CCSS.MTH.10.6.6.NS.5
   TOP: Comparing Integers KEY: negative | integer | word
   DOK: DOK 2
4. ANS: C PTS: 2 REF: 932a77e3-9631-11dd-8a40-001185f11039
   OBJ: Graphing Integers NAT: NT.CCSS.MTH.10.6.6.NS.6.a
   LOC: MTH.C.01.03.10.002 | MTH.C.08.005 TOP: Integers and Absolute Value
   KEY: integer | graph DOK: DOK 2
5. ANS: B PTS: 1 NAT: NT.CCSS.MTH.10.6.6.NS.6.a
   DOK: DOK 2
6. ANS: A PTS: 1 NAT: NT.CCSS.MTH.10.6.6.NS.7
   DOK: DOK 2
7. ANS: B PTS: 1 NAT: NT.CCSS.MTH.10.6.6.NS.7
   DOK: DOK 2
8. ANS: A PTS: 1 NAT: NT.CCSS.MTH.10.6.6.NS.7
   DOK: DOK 2
9. ANS: C PTS: 1
   NAT: NT.CCSS.MTH.10.6.6.NS.7 | NT.CCSS.MTH.10.7.7.EE.3
   DOK: DOK 2
10. ANS: A PTS: 1 NAT: NT.CCSS.MTH.10.6.6.NS.7
    DOK: DOK 3
11. ANS: D PTS: 1 NAT: NT.CCSS.MTH.10.6.6.NS.7.b
    DOK: DOK 1
12. ANS: A PTS: 1 NAT: NT.CCSS.MTH.10.6.6.NS.7.c
    DOK: DOK 4
13. ANS: D PTS: 1 NAT: NT.CCSS.MTH.10.6.6.NS.7.c
    DOK: DOK 1
14. ANS: C PTS: 1 NAT: NT.CCSS.MTH.10.6.6.NS.7.d
    DOK: DOK 3