NAME _____ DATE _____ PERIOD ____

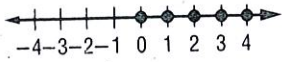
SCORE ____

2

Chapter 2 Review, Form 2A

Write the letter for the correct answer in the blank at the right of each question.

1. What set of numbers is graphed below?



A. {0, 1, 2, 3, 4}
B. {..., 0, 1, 2, 3, 4}
C. {−4, −3, −2, −1, 0, 1, 2, 3, 4}
D. {0, 1, 2, 3, 4, ...}
1. ____

2. Evaluate $8 - |16 - y|$ if $y = 11$.
A. −19 **B.** 35 **C.** 3 **D.** 13 **2.** ____

3. Find $-\frac{4}{5} + \frac{3}{7}$.
A. $-\frac{13}{35}$ **B.** $-\frac{1}{2}$ **C.** $1\frac{8}{35}$ **D.** $-\frac{1}{12}$ **3.** ____

For Questions 4 and 5, find each difference.

4. $-9 - (-21)$
A. −30 **B.** 12 **C.** −12 **D.** 30 **4.** ____

5. $-7.9 - 4.3$
A. −12.2 **B.** −3.6 **C.** 12.2 **D.** 3.6 **5.** ____

6. Find $\left(\frac{5}{6}\right)\left(-\frac{3}{25}\right)$.
A. $-\frac{2}{31}$ **B.** $-\frac{2}{19}$ **C.** $-\frac{8}{31}$ **D.** $-\frac{1}{10}$ **6.** ____

7. Simplify $4m(-2n) + 6mn$.
A. 0 **B.** $8mn$ **C.** $-2mn$ **D.** $12mn$ **7.** ____

8. Evaluate $m^2 - 2nm$ if $m = 4.2$ and $n = 1.5$.
A. 0.7 **B.** 5.04 **C.** −10.35 **D.** 30.24 **8.** ____

9. Find $\frac{18}{5} \div \left(-\frac{2}{3}\right)$.
A. $-2\frac{2}{5}$ **B.** $-\frac{3}{5}$ **C.** $-\frac{16}{15}$ **D.** $-5\frac{2}{5}$ **9.** ____

Simplify each expression.

10. $\frac{2(-4 + 13)}{-2 + 5}$
A. 6 **B.** $-\frac{18}{7}$ **C.** $\frac{11}{3}$ **D.** $\frac{5}{3}$ **10.** ____

11. $\frac{-3x + 12}{-6}$
A. $\frac{1}{2}x - 2$ **B.** $-\frac{1}{2}x + 2$ **C.** $3x + 2$ **D.** $-3x - 2$ **11.** ____

Assessment

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NAME _____ DATE _____ PERIOD _____

Chapter 2 Test, Form 2A *(continued)*

For Questions 12–14, use the list that shows the total number of medals won by 15 countries in the 2000 Summer Olympic Games. Source: *World Almanac*

57, 17, 18, 97, 28, 59, 88, 26, 38, 58, 34, 25, 23, 28, 29

12. To create a stem-and-leaf plot of this data, what values would be used for the stems?

A. 10, 20, 30, 40, 50, 60, 70, 80, 90 **B.** 17, 23, 34, 57, 88, 97

C. 1, 2, 3, 4, 5, 6, 7, 8, 9 **D.** 3, 4, 5, 6, 7, 8, 9 **12.** _____

13. How many countries won more than 42 medals?

A. 6 **B.** 4 **C.** 5 **D.** 7 **13.** _____

14. Which measure of central tendency best describes the data?

A. median **B.** mean **C.** mode **D.** 42 **14.** _____

15. A computer randomly selects an integer between 5 and 9. Find $P(2)$.

A. 1 **B.** $\frac{1}{3}$ **C.** $\frac{1}{5}$ **D.** 0 **15.** _____

For Questions 16 and 17, a bowl contains 8 red chips, 7 blue chips, and 10 green chips. One chip is randomly drawn.

16. Find P(red or blue).

A. $\frac{8}{15}$ **B.** $\frac{3}{5}$ **C.** $\frac{3}{2}$ **D.** $\frac{1}{15}$ **16.** _____

17. Find the odds of drawing a green chip.

A. 2 : 3 **B.** 2 : 5 **C.** 1 : 10 **D.** 1 : 15 **17.** _____

18. Find $\pm\sqrt{0.81}$.

A. 0.9 **B.** $\pm$0.9 **C.** 0.09 **D.** $\pm$0.09 **18.** _____

19. Name the set or sets of numbers to which the real number $-\sqrt{25}$ belongs.

A. natural numbers, irrational numbers

B. whole numbers, integers, rational numbers

C. integers, rational numbers

D. irrational numbers

19. _____

20. Write $\sqrt{3}, \frac{1}{3}, 0.3, \frac{3}{11}, 1$ in order from least to greatest.

A. $\frac{3}{11}, 0.3, \frac{1}{3}, 1, \sqrt{3}$ **B.** $\sqrt{3}, 1, 0.3, \frac{3}{11}, \frac{1}{3}$

C. $\frac{1}{3}, 0.3, \frac{3}{11}, 1, \sqrt{3}$ **D.** $0.3, \frac{1}{3}, \frac{3}{11}, \sqrt{3}, 1$ **20.** _____

Bonus Evaluate $3a - 8b + \sqrt{49}$ if $a = 4.1$ and $b = \frac{3}{4}$. **B:** _____