Chapter 2 Test, Form 2A

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

For Questions 1 and 2, choose the symbol to replace to make a true sentence.

1. - 2 < - 18
   A < B = C > D + 1. C

2. - 98 < - 89
A < B, = C > D + 2. A

For Questions 3–5, evaluate each expression.

3. | - 56 |
   A - 56 B 56 C 65 D 560 3. B

4. | - 25 | + | 36 |

5. |98| - | - 39|
   A 137 B 59 C - 59 D - 137 5. B

Find each sum or difference.

6. - 6 + (- 9)
   A 15 B. 3 C - 3 D. - 15 6. D

7. 17 + (- 8) + 12
   A 37 B 21 C 3 D 21 7. B

8. 17 - (- 6)
   A 23 B. 11 C - 11 D. - 23 8. A

9. - 78 - 54

Find each product or quotient.

10. - 9(- 7)(- 2)
    A - 126 B. - 18 C 18 D 126 10. A

11. - 12 - 5
    A 60 B 7 C 7 D 60 11. D

12. 24 ÷ (- 6)
    A 18 B. 4 C - 2 D. - 4 12. D

13. 164 ÷ (- 4)
    A 41 B 41 C 160 D 168 13. A
Chapter 2 Test, Form 2A

Evaluate each expression if \( a = 8 \), \( b = -2 \), and \( c = -5 \).

14. \( c + b + a \)
   - A. 15
   - B. 5
   - C. 1
   - D. -15
   - 14. C

15. \( b - a + c \)
   - A. 1
   - B. -5
   - C. -11
   - D. -15
   - 15. D

16. \( (a \div b) + c \)
   - A. -9
   - B. -1
   - C. 1
   - D. 9
   - 16. A

17. \( ab - c \)
   - A. 21
   - B. 11
   - C. -11
   - D. -21
   - 17. C

Simplify each expression.

18. \( 6x(-5y) \)
   - A. \( xy \)
   - B. \(-30xy\)
   - C. \(-11xy\)
   - D. \(6x-5y\)
   - 18. B

19. \(-3s(-4t)\)
   - A. \(-12st\)
   - B. \(12st\)
   - C. \(-7st\)
   - D. \(7st\)

For Questions 20 and 21, find the average (mean) of each set of data.

20. 22, 15, 31, 40, 27
   - A. 27
   - B. 30
   - C. 37
   - D. 40
   - 20. A

21. 20, -14, -4, 8, 17, 3
   - A. 11
   - B. 10
   - C. 6
   - D. 5
   - 21. D

22. Use the coordinate grid at the right to choose the point for the ordered pair \((2, -3)\).
   - A. A
   - B. B
   - C. C
   - D. D
   - 22. B

23. Use the coordinate grid at the right to choose the ordered pair for point C.
   A \((0, -3)\)
   B \((-3, 0)\)
   C \((-3, 0)\)
   D \((3, 0)\)
   - 23. E

24. What are the coordinates of the point \((8, 5)\) after it has been reflected over the x-axis?
   - A. \((-8, -5)\)
   - B. \((5, 8)\)
   - C. \((-8, 5)\)
   - D. \((8, -5)\)
   - 24. D

25. Which equation has a graph that contains points that slant downward, left to right, and crosses the y-axis at \(y = -4\)?
   - A. \(x + y = -4\)
   - B. \(y = -4\)
   - C. \(x + y = 4\)
   - D. \(x + y = 4\)
   - 25. A

Bonus: At 2 A.M., the temperature was 64°F. It went down 6°F, up 1°F, and then down 7°F before the final reading at 10 P.M. What was the temperature at 10 P.M.? B