Review Chapter 5 — Math 7 (Form 1B)

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

1. What is the value of the expression $f^2 + 5$ if $f = 3$?

    A. 8   **B.** 2   **C.** 6   **D.** 14

1. _____

2. What is the value of $9x - 4y$ if $x = 3$ and $y = 2$?

    F. 12   **G.** 19   **H.** 9^3 **I.** 27

2. _____

3. Which property of multiplication is shown by the equation $14 \cdot y \cdot 1 = 14y$?

    A. Associative   **C.** Commutative

    B. Distributive   **D.** Identity

3. _____

4. What are the next three terms in the sequence 3, 6, 9, 12, …?

    F. 24, 48, 96   **H.** 14, 16, 18

    G. 15, 18, 21   **I.** 15, 17, 20

4. _____

5. What are the next three terms in the sequence 2.0, 3.5, 5.0, 6.5, …?

    A. 8.5, 9.0, 11.5   **C.** 8.25, 11.75, 14.5

    B. 8.0, 9.5, 11.0   **D.** 7.0, 8.5, 9.0

5. _____

6. What is the next term in the pattern 0.4, 0.8, 1.2, 1.6, …?

    F. 1.7   **G.** 1.8   **H.** 1.9   **I.** 2.0

6. _____

7. What is the value of the expression $3(2 - 7)$?

    A. −27   **B.** −15   **C.** 15   **D.** 27

7. _____

Review Chapter 5 – Math 7 (Form 1B)   *(continued)*

8. Which expression is equivalent to $-3(x + 10)$?   **8.** _____

    F. $3x + 30$ **G.** $-3x + 10$ **H.** $-3x - 30$ **I.** $3x - 30$

9. What is $7y + 15 - 7y - 8$?   **9.** _____

    A. 3   **B.** 5   **C.** 6   **D.** 7

10. Simplify $x + 6 - 3x - 8$.   **10.** _____

    F. $-2x - 2$ **G.** $-2x - 14$ **H.** $-3x - 14$ **I.** $-3x - 2$

11. Factor $25x + 45$ using the GCF.   **11.** _____

    A. $x(25 + 45)$ **B.** $5(5x + 9)$ **C.** $25(x + 2)$ **D.** $5(5x + 45)$

12. Add $(12x + 5) + (3x - 7)$.   **12.** _____

    F. $9x - 12$ **G.** $9x - 2$ **H.** $15x - 12$ **I.** $15x - 2$

13. Subtract $(3x + 5) - (x + 2)$.   **13.** _____

    A. $2x + 7$ **B.** $2x + 3$ **C.** $-2x - 7$ **D.** $4x + 7$

14. In the expression $10a + 4$, identify the coefficient.   **14.** _____

    F. 10   **G.** a **H.** 4   **I.** 0