TEST NAME: **Expressions/Equations (EE.3-EE.4)**
TEST ID: **181102**
GRADE: **06**
SUBJECT: **Mathematics**
TEST CATEGORY: **School Assessment**

Student: _____

Class: _____

Date: _____

1. Which expression is equivalent to $7(a + 4b + 3)$?

   A. $7a + 28b + 21$

   B. $7a + 4b + 3$

   C. $a + 4b + 21$

   D. $a + 28b + 21$

2. Which expression is equivalent to $5x + 4x$?

   A. $9x$

   B. $9x^2$

   C. $20x$

   D. $20x^2$

3. Which expression is equivalent to $2(x + 3)$?

   A. $6x$

   B. $8x$

   C. $2x + 3$

   D. $2x + 6$

4. Which expression is equivalent to $2x + 3x$?

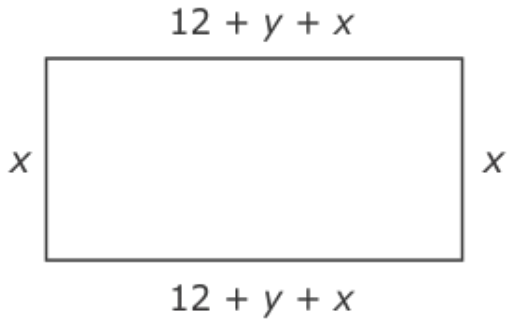
   A. x

   B. $5x$

   C. $5x^2$

   D. $6x^2$

5. Which expression represents the perimeter of the rectangle?



A. $30xy$

B. $24 + x + y$

C. $24 + 2x + y$

D. $24 + 4x + 2y$

6. An equilateral triangle has side lengths of $2x + 4$. What is the perimeter of the triangle?

A. $4x + 8$

B. $6x + 4$

C. $6x + 12$

D. $18x$

7. Which expression is equivalent to $2x + 2y + 4y + 3x$?

A. $4x + 7y$

B. $5x + 6y$

C. $6x + 5y$

D. $6x + 8y$

8. Which expression is equivalent to $3(p + 4)$?

A. $3 \times p \times 4$

B. $(3 \times p) + 4$

C. $(3 \times p) \times (3 \times 4)$

D. $(3 \times p) + (3 \times 4)$

9. Which expression is equivalent to $\frac{1}{3}(6m + 15) + 3$?

A. $7m + 3$

B. $3m + 8$

C. $2m + 8$

D. $2m + 18$

10. Which expression is equivalent to $4(2s + 3t + 2)$?

A. $2s + 3t + 8$

B. $6s + 7t + 6$

C. $8s + 3t + 2$

D. $8s + 12t + 8$

11. Which value should be placed in the box to make the equation true?

$$x + y + \square(x + y) + x = 4x + 3y$$

A. x

B. y

C. 3

D. 2

12. Which two expressions will result in the same answer for any number that is substituted for x?

A. x^3 and $3x$

B. $7x - 2y$ and $5xy$

C. $x + 2y$ and $y + x + y$

D. $12x - 10y$ and $2x - y$