

Name: _____

Date: _____

1. Which expression is the result when $2a - 5$ is subtracted from $3a + 3$?

A. $a - 2$ B. $5a - 2$ C. $a + 8$ D. $-a + 8$

2. Which of the following is equivalent to the expression below?

$$-2a(3 - a)$$

A. $-5a$ B. $-7a$
 C. $-6a - 2a^2$ D. $-6a + 2a^2$

3. Which of the following is equivalent to the expression below?

$$(5x + 6y - 3z) + (3x - 8y + z)$$

A. $8x - 14y - 4z$ B. $8x - 2y - 2z$
 C. $8x - 14y - 2z$ D. $8x - 2y - 3z$

4. Based on the commutative property, which of the following is equivalent to the expression below?

$$5p - 2$$

A. $2 - 5p$ B. $2p - 5$ C. $5(p - 2)$ D. $-2 + 5p$

5. Which of the following is equivalent to the expression below?

$$6y^5 - 24y^2 - 18y$$

A. $6y(y^4 - 4y - 3)$ B. $6y(y^4 - 24y - 18)$
 C. $6y^5(1 - 24y^2 - 18y)$ D. $6y^5(1 - 4y^3 - 3y^4)$

6. Which of the following is equivalent to the expression below?

$$(-3m + 5) + (m - 11)$$

A. $4m - 16$ B. $-4m - 6$ C. $2m - 16$ D. $-2m - 6$

7. Which expression is equivalent to $2a^2 + 4 - 5a + 3a^2 - 7$?

A. $5a^2 - a - 7$ B. $5a^4 - a - 7$
 C. $5a^2 - 5a - 3$ D. $5a^4 - 5a - 3$