

Polynomial Remediation

- Express in simplest form: $(5a^2 - 3a + 8) + (-4a^2 - 1) + (15a + 11)$ 1. _____
- The expression $(m - n) - (n - m)$ is equivalent to 2. _____
A. $2m - 2n$ B. $2m$ C. $-2n$ D. $m - n$
- The expression $(2x^2 + 6x + 5) - (6x^2 + 3x + 5)$ is equivalent to 3. _____
A. $-4x^2 + 3x$ B. $4x^2 - 3x$
C. $-4x^2 - 3x + 10$ D. $4x^2 + 3x - 10$
- Which binomial is equivalent to $3(x - 1) - 2(x - 3)$? 4. _____
A. $x - 7$ B. $5x - 7$ C. $x + 5$ D. $x + 3$
- What is the product of $-3x^2y$ and $(5xy^2 + xy)$? 5. _____
A. $-15x^3y^3 - 3x^3y^2$ B. $-15x^3y^3 - 3x^3y$
C. $-15x^2y^2 - 3x^2y$ D. $-15x^3y^3 + xy$
- Express the product $(2x - 3)(x + 5)$ as a trinomial. 6. _____
- Express as a trinomial: $(2x - 3)(x + 7)$ 7. _____
- The expression $(3x + 4)(2x - 6)$ is equivalent to 8. _____
A. $6x^2 - 24$ B. $6x^2 - 10x - 24$
C. $3x^2 - 12x - 24$ D. $2x^2 + 8x - 24$
- The expression $(x - 4)^2$ is equivalent to 9. _____
A. $x^2 - 16$ B. $x^2 + 16$ C. $x^2 - 8x + 16$ D. $x^2 + 8x + 16$
- Which expression is equal to $(x + 3)^2$? 10. _____
A. $x^2 + 6$ B. $x^2 + 9$ C. $x^2 + 6x + 9$ D. $x^2 + 3x + 9$

1.
Answer: $a^2 + 12a + 18$

2.
Answer: A

3.
Answer: A

4.
Answer: D

5.
Answer: A

6.
Answer: $2x^2 + 7x - 15$

7.
Answer: $2x^2 + 11x - 21$

8.
Answer: B

9.
Answer: C

10.
Answer: C