

NAME: _____

A.A.13: Add, subtract, and multiply monomials and polynomials

1. Multiply: $-6(x - 3)$

[A] $-6x + 3$ [B] $-6x - 3$
[C] $-6x + 18$ [D] $-6x - 18$

2. Use the distributive property to simplify the expression $3(8x + 2y)$.

[A] $24x + 6y$ [B] $24x - 6y$
[C] $8x + 2y$ [D] $24x + 2y$

3. Use the distributive property to simplify the expression $6(5x - y)$.

[A] $30x - y$ [B] $30x - 6y$
[C] $5x - y$ [D] $30x + 6y$

4. Simplify: $4(x - 1) - 5(x - 1)$

[A] $-x + 1$ [B] $4x - 1$
[C] $-x + 9$ [D] $4x - 9$

5. Multiply: $(x + 6)(-4)$

6. Use the distributive property to simplify the expression $5(4x + 8y)$.

[A] $20x + 40y$ [B] $20x + 8y$
[C] $20x - 40y$ [D] $4x + 8y$

Simplify:

7. $5(x - 1) - 4(x - 1)$

[A] $x - 1$ [B] $5x - 1$
[C] $x - 9$ [D] $5x - 9$

8. $7(x + 1) - 3(x + 1)$

[A] $7x - 10$ [B] $4x + 4$
[C] $4x + 10$ [D] $7x - 4$

9. $3(x + 1) + (x + 1)$

[A] $4x + 2$ [B] $3x + 2$
[C] $4x + 4$ [D] $3x + 4$

10. Multiply: $(x - 2)(-5)$

[1] C

[2] A

[3] B

[4] A

[5] $-4x - 24$

[6] A

[7] A

[8] B

[9] C

[10] $-5x + 10$