

Name _____

Combining Like Terms Worksheet 2

Simplify each expression.

1. $2(x + 6) =$ _____

2. $-2(2m - 8) =$ _____

3. $-7(4y + 3) =$ _____

4. $15x - 14 - 36 + 12x =$ _____

5. $22x^2 + 7x + 14x^2 - 2x =$ _____

6. $9 + 2(x + 1) =$ _____

7. $-(x + 7) =$ _____

8. $6(w - 4) + 5w =$ _____

9. $3n + 2n^2 - 6n - 2 =$ _____

10. $2y + 5 + 31 =$ _____

11. $5(2x + 12) =$ _____

12. $-3(8y - 6) + 12y =$ _____

13. $-9(4y + 8) =$ _____

14. $25x + 19 - 32 + 10x =$ _____

15. $2x^2y^2 + 7xy + 4x^2 - 2xy =$ _____

16. $8x + 12(x + 4) =$ _____

17. $-(x + 7) + 14x - 3 =$ _____

18. $3w + 8(5 - w) + 12w =$ _____

19. $3x^3 + 10x^2 - 6x^2 - 2x =$ _____

20. $2ab + 15a^2b^2 - 11a(2a - 8ab^2) + 34ab - 3a^2 =$ _____

Combining Like Terms Worksheet 2 Answers

Simplify each expression.

1. $2(x + 6) = 2x + 12$

2. $-2(2m - 8) = -4m + 16$

3. $-7(4y + 3) = -28y - 21$

4. $15x - 14 - 36 + 12x = 27x - 50$

5. $22x^2 + 7x + 14x^2 - 2x = 36x^2 + 5x$

6. $9 + 2(x + 1) = 2x + 11$

7. $-(x + 7) = -x - 7$

8. $6(w - 4) + 5w = 11w - 24$

9. $3n + 2n^2 - 6n - 2 = 2n^2 - 3n - 2$

10. $2y + 5 + 31 = 2y + 36$

11. $5(2x + 12) = 10x + 60$

12. $-3(8y - 6) + 12y = -12y + 18$

13. $-9(4y + 8) = -36y - 72$

14. $25x + 19 - 32 + 10x = 35x - 13$

15. $2x^2y^2 + 7xy + 4x^2 - 2xy = 2x^2y^2 + 4x^2 + 5xy$

16. $8x + 12(x + 4) = 20x + 48$

17. $-(x + 7) + 14x - 3 = 13x - 10$

18. $3w + 8(5 - w) + 12w = 7w + 40$

19. $3x^3 + 10x^2 - 6x^2 - 2x = 3x^3 + 4x^2 - 2x$

20. $2ab + 15a^2b^2 - 11a(2a - 8ab^2) + 34ab - 3a^2 = 103a^2b^2 - 25a^2 + 36ab$