

Name _____

Equations

Simplifying Expressions

$$\begin{aligned} 3n - 2n + 4r &= (3 - 2)n + 4r \\ &= n + 4r \end{aligned}$$

Combine like terms.

1. $7r + 2r - 4$

8. $12p + 5pd - 3p + 6pd$

2. $23x - 7x + 4x$

9. $4x - 2x + 6xy + 21x + -9xy - 9$

3. $3xy + 13xy - 12xy$

10. $4e + 5ed + 4d - 7ed + 7$

4. $-3n + 12 - 4n$

11. $3x + 2y - 2xy + 5x - 2xy$

5. $12ax - 2ax + 14x - 2a + -3x$

12. $7a + a - a + 3ab - ab + 2ab$

6. $3x + 2y + xy - 6xy + 4x + -4y$

13. $5m + 2m + 40m + m + 17$

7. $2r + 4ry - 5r + 3x - 4ry$

14. $2x + 3xy + 4x + 5xy + 6x$