

Positive terms

Combine the variable terms and combine the numbers.

1. $2n + 5n + 2 + 8$

Answer: $7n + 10$

2. $2n + 1 + 8n$

Answer: $10n + 1$

3. $8k + 5 + k$

Answer: $9k + 5$

4. $y + y + 1 + 1$

Answer: $2y + 2$

5. $4 + m + 9m$

Answer: $10m + 4$

6. $13 + 5 + 4y + 4y$

Answer: $8y + 18$

7. $2n + 5n + 12 + 12$

Answer: $7n + 24$

8. $14 + 5y + 8y$

Answer: $13y + 14$

9. $6 + 7m + 4m + 7$

Answer: $11m + 13$

10. $7 + 9t + 2t + 13$

Answer: $11t + 20$

11. $m + 5m + 12$

Answer: $6m + 12$

12. $1 + 3t + 9 + 3t$

Answer: $6t + 10$

With subtraction

Combine like terms. A minus sign belongs to the term after it.

1. $5 + 10 - 6m + 9m$

Answer: $3m + 15$

2. $-9k - 4k + 10$

Answer: $-13k + 10$

3. $-10 - 6m - 10 - 7m$

Answer: $-13m - 20$

4. $-1 + 5k + 13 - k$

Answer: $4k + 12$

5. $-3k - 6k + 3 + 11$

Answer: $-9k + 14$

6. $-8m + 5 - 4 - 2m$

Answer: $-10m + 1$

7. $-4x - x + 8$

Answer: $-5x + 8$

8. $11 - 9k - 4k + 6$

Answer: $-13k + 17$

9. $7 + 5 - 4n + n$

Answer: $-3n + 12$

10. $12 + 8k - 4k$

Answer: $4k + 12$

11. $-4 - 2n - 6n - 11$

Answer: $-8n - 15$

12. $-5k - 7k - 6 + 10$

Answer: $-12k + 4$

With distribution

Distribute, then combine like terms.

1. $6(m + 3) - 9m$

Answer: **$-3m + 18$**

2. $2(t + 1) + 3t + 9$

Answer: **$5t + 11$**

3. $6(y + 5) + 5y$

Answer: **$11y + 30$**

4. $8(n + 5) + 8n + 9$

Answer: **$16n + 49$**

5. $2(m + 4) + 3m$

Answer: **$5m + 8$**

6. $2k + 8(k + 4)$

Answer: **$10k + 32$**

7. $9y + 4(y - 3)$

Answer: **$13y - 12$**

8. $8(x + 1) + 5x + 11$

Answer: **$13x + 19$**

9. $8(x - 1) + 4x + 10$

Answer: **$12x + 2$**

10. $4m + 3(m - 6) + 2$

Answer: **$7m - 16$**

11. $-8(m + 5) + 5m$

Answer: **$-3m - 40$**

12. $6x + 3(x + 6) + 1$

Answer: **$9x + 19$**