

Positive terms

Combine the variable terms and combine the numbers.

1. $2x + 2x + 6$

Answer: $4x + 6$

2. $4y + y + 10 + 7$

Answer: $5y + 17$

3. $5 + 9k + 8k$

Answer: $17k + 5$

4. $7m + 6m + 7$

Answer: $13m + 7$

5. $4 + 6 + 3k + 4k$

Answer: $7k + 10$

6. $9k + 3k + 7 + 15$

Answer: $12k + 22$

7. $3y + 8y + 13 + 12$

Answer: $11y + 25$

8. $5m + 9 + 8m + 6$

Answer: $13m + 15$

9. $9k + 6 + 8 + 8k$

Answer: $17k + 14$

10. $5m + 5m + 13$

Answer: $10m + 13$

11. $9 + 11 + 8y + 4y$

Answer: $12y + 20$

12. $5 + 2n + 10 + n$

Answer: $3n + 15$

With subtraction

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

1. $-5k + 7 - 3k$

Answer: $-8k + 7$

2. $12 - 6y - 3y - 2$

Answer: $-9y + 10$

3. $-1 - 4 - 9n - 3n$

Answer: $-12n - 5$

4. $-15 - m + 5m$

Answer: $4m - 15$

5. $-4m + 8 - 2m - 3$

Answer: $-6m + 5$

6. $5n + 12 - 6n$

Answer: $-n + 12$

7. $9 + 12 - y - 3y$

Answer: $-4y + 21$

8. $-5x - 2x - 12$

Answer: $-7x - 12$

9. $-y + 9 - 4 - 9y$

Answer: $-10y + 5$

10. $-4x + 11 - 11 - x$

Answer: $-5x$

11. $9 - 9m - m - 15$

Answer: $-10m - 6$

12. $6k - 7 - 2k + 1$

Answer: $4k - 6$

With distribution

Distribute, then combine like terms.

1. $-8m + 2(m + 4)$

Answer: $-6m + 8$

2. $4(x + 1) + 6x + 12$

Answer: $10x + 16$

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

Answer: $9m - 3$

4. $-8(y + 3) + 7y$

Answer: $-y - 24$

5. $7(k - 4) + k$

Answer: $8k - 28$

6. $5m + 3(m - 3)$

Answer: $8m - 9$

7. $8(t + 4) + 8t$

Answer: $16t + 32$

8. $7(n + 6) - 2n$

Answer: $5n + 42$

9. $3y + 3(y + 5)$

Answer: $6y + 15$

10. $8(t - 6) + t + 5$

Answer: $9t - 43$

11. $7(t + 3) + 8t + 5$

Answer: $15t + 26$

12. $2(m + 3) + 9m + 9$

Answer: $11m + 15$