

Positive terms

Combine the variable terms and combine the numbers.

1. $6 + 9n + 3n$

Answer: **$12n + 6$**

2. $k + 8k + 5 + 4$

Answer: **$9k + 9$**

3. $4m + 3m + 11 + 9$

Answer: **$7m + 20$**

4. $13 + 3t + 2t$

Answer: **$5t + 13$**

5. $5x + 10 + 8x$

Answer: **$13x + 10$**

6. $15 + 8m + 1 + 3m$

Answer: **$11m + 16$**

7. $7y + 5y + 7 + 7$

Answer: **$12y + 14$**

8. $11 + 6k + 4k$

Answer: **$10k + 11$**

9. $6k + 3k + 9$

Answer: **$9k + 9$**

10. $5 + 5t + 4t + 8$

Answer: **$9t + 13$**

11. $3x + 1 + 7 + 7x$

Answer: **$10x + 8$**

12. $15 + 6m + 9m$

Answer: **$15m + 15$**

With subtraction

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

1. $5 - 5x + 4 - x$

Answer: $-6x + 9$

2. $2 - 7y - 7y + 10$

Answer: $-14y + 12$

3. $7 - 6 - 7y - 5y$

Answer: $-12y + 1$

4. $-6m - 11 - 6m - 10$

Answer: $-12m - 21$

5. $-3y - 13 - 10 - 6y$

Answer: $-9y - 23$

6. $-12 - 9y - 4y - 11$

Answer: $-13y - 23$

7. $-2m - 8 - 3m$

Answer: $-5m - 8$

8. $-3k - 3 + 5k - 10$

Answer: $2k - 13$

9. $-7t - 3 - 5t$

Answer: $-12t - 3$

10. $14 - 9k + 5k$

Answer: $-4k + 14$

11. $-7n - 3 - 4n$

Answer: $-11n - 3$

12. $-3 - 14 + 7k - 9k$

Answer: $-2k - 17$

With distribution

Distribute, then combine like terms.

1. $2n + 2(n + 5) + 5$

Answer: **$4n + 15$**

2. $5(x + 6) + 7x + 5$

Answer: **$12x + 35$**

3. $k + 6(k + 4)$

Answer: **$7k + 24$**

4. $-2(n + 1) + n + 1$

Answer: **$-n - 1$**

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

Answer: **$8k - 9$**

6. $4(k - 3) + 5k + 6$

Answer: **$9k - 6$**

7. $2(k + 6) - 7k$

Answer: **$-5k + 12$**

8. $9y + 5(y + 5)$

Answer: **$14y + 25$**

9. $2(m + 3) + 8m$

Answer: **$10m + 6$**

10. $t + 5(t + 4) + 9$

Answer: **$6t + 29$**

11. $4x + 8(x + 4)$

Answer: **$12x + 32$**

12. $2y + 6(y + 3)$

Answer: **$8y + 18$**