

Simplifying Quadratic Expressions (E)

Simplify each expression by combining like terms.

1. $7 - 6k^2 - k - 9 + 4k^2 + k - 9k - k - 6k$

2. $4 - 7y - 4 + 8y - 9y^2 + 8y + 2y^2 - 6y + 2y^2 + 7$

3. $-2 - 9b^2 - 6b - 9b^2 + 4b^2 - 4b + 9b$

4. $4a^2 - 2 - 9a - 7 - 4a^2 - 9 - 5a^2 - 8a - 2a^2$

5. $9 + 7n^2 + 3n^2 - 9 - 5n - 4 + 7 - 8n + 4n$

6. $f^2 + 8f + 6f + 6f^2 + 7f^2 + 5f^2 - 4f - 7$

7. $-h - 2h^2 + 7h^2 + 4h - 3h - h + 7h - 4h^2$

8. $j - 5j^2 + 8j^2 - 4j^2 - 9j^2$

9. $v - 2v + 4 - 3v^2 - 9v - 6v^2 + v^2$

10. $1 + 4 + 6v - 6v^2 - v - v^2 + 1 + 8$