

Subtracting Quadratic Expressions (C)

Simplify each expression.

1. $(-5a^2 - 7a + 2) - (7a^2 - 3a + 4)$

2. $(3b^2 - 7b - 6) - (-5b^2 + 3b + 5)$

3. $(6z^2 + 2z + 6) - (-4z^2 + 8z + 8)$

4. $(7r^2 + 3r + 9) - (-r^2 + 4r + 1)$

5. $(y^2 - 5y + 2) - (9y^2 + 3y - 1)$

6. $(-5h^2 + 9h + 9) - (8h^2 + 3h + 8)$

7. $(-8n^2 + 8n - 5) - (-4n^2 + 7n - 6)$

8. $(-3a^2 - 9a - 6) - (3a^2 - 4a + 5)$

9. $(9h^2 - 2h - 3) - (2h^2 + 6h + 6)$

10. $(9s^2 + 2s - 6) - (3s^2 - s + 4)$

Subtracting Quadratic Expressions (C) Answers

Simplify each expression.

1. $(-5a^2 - 7a + 2) - (7a^2 - 3a + 4)$
 $-12a^2 - 4a - 2$

2. $(3b^2 - 7b - 6) - (-5b^2 + 3b + 5)$
 $8b^2 - 10b - 11$

3. $(6z^2 + 2z + 6) - (-4z^2 + 8z + 8)$
 $10z^2 - 6z - 2$

4. $(7r^2 + 3r + 9) - (-r^2 + 4r + 1)$
 $8r^2 - r + 8$

5. $(y^2 - 5y + 2) - (9y^2 + 3y - 1)$
 $-8y^2 - 8y + 3$

6. $(-5h^2 + 9h + 9) - (8h^2 + 3h + 8)$
 $-13h^2 + 6h + 1$

7. $(-8n^2 + 8n - 5) - (-4n^2 + 7n - 6)$
 $-4n^2 + n + 1$

8. $(-3a^2 - 9a - 6) - (3a^2 - 4a + 5)$
 $-6a^2 - 5a - 11$

9. $(9h^2 - 2h - 3) - (2h^2 + 6h + 6)$
 $7h^2 - 8h - 9$

10. $(9s^2 + 2s - 6) - (3s^2 - s + 4)$
 $6s^2 + 3s - 10$