

Subtracting Quadratic Expressions (C)

Simplify each expression.

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

2. $-6(-3t^2 + 4t - 7) - 4(-3t - 5)$

3. $-6(g^2 - 6g - 1) - 9(-3g^2 + 4g + 3)$

4. $8(-b^2 + b - 5) - 7(-4b^2 + 6b - 3)$

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

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

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

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

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

10. $3(-6c^2 + 2c - 7) - 7(-9c^2 - 3c - 2)$

Subtracting Quadratic Expressions (C) Answers

Simplify each expression.

1. $(5p^2 + 8p - 3) - 9(2p^2 - 9p + 5)$
 $-13p^2 + 89p - 48$

2. $-6(-3t^2 + 4t - 7) - 4(-3t - 5)$
 $18t^2 - 12t + 62$

3. $-6(g^2 - 6g - 1) - 9(-3g^2 + 4g + 3)$
 $21g^2 - 21$

4. $8(-b^2 + b - 5) - 7(-4b^2 + 6b - 3)$
 $20b^2 - 34b - 19$

5. $6(-3s^2 + 8s - 9) - 3(5s^2 - 2s + 2)$
 $-33s^2 + 54s - 60$

6. $-3(-6r^2 - 4r + 6) - 6(-9r^2 - 3r + 4)$
 $72r^2 + 30r - 42$

7. $6(-9y^2 - 3y + 9) - 7(7y^2 + 7y - 9)$
 $-103y^2 - 67y + 117$

8. $8(7q^2 - 7q + 4) - 5(4q^2 + 2q - 5)$
 $36q^2 - 66q + 57$

9. $3(9w^2 - 2w - 7) - 6(-9w^2 + 2w - 2)$
 $81w^2 - 18w - 9$

10. $3(-6c^2 + 2c - 7) - 7(-9c^2 - 3c - 2)$
 $45c^2 + 27c - 7$