

Subtracting Quadratic Expressions (A)

Simplify each expression.

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

2. $(-6p^2 - 2p - 7) - 5(-8p^2 - 9p + 9)$

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

4. $7(-9n^2 + 6n + 6) - 4(-n^2 + 8n - 6)$

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

6. $(-5r^2 + 8r + 2) - (6r^2 - 8r - 6)$

7. $2(k^2 + k - 7) - (8k^2 + 6k + 6)$

8. $(-2a^2 - 4a - 1) - (-5a^2 - 8a + 9)$

9. $(-8g^2 - 4g + 3) - 8(3g^2 - 7g + 5)$

10. $(-3t^2 + 8t + 6) - 7(-8t^2 - t - 2)$

Subtracting Quadratic Expressions (A) Answers

Simplify each expression.

1. $(-8s^2 + 7s - 7) - (3s^2 - 9s + 2)$
 $-11s^2 + 16s - 9$

2. $(-6p^2 - 2p - 7) - 5(-8p^2 - 9p + 9)$
 $34p^2 + 43p - 52$

3. $-4(-8v^2 + 5v) - (4v^2 + 3v + 6)$
 $28v^2 - 23v - 6$

4. $7(-9n^2 + 6n + 6) - 4(-n^2 + 8n - 6)$
 $-59n^2 + 10n + 66$

5. $-(4r^2 + 3r + 8) - 8(9r^2 + 4r + 2)$
 $-76r^2 - 35r - 24$

6. $(-5r^2 + 8r + 2) - (6r^2 - 8r - 6)$
 $-11r^2 + 16r + 8$

7. $2(k^2 + k - 7) - (8k^2 + 6k + 6)$
 $-6k^2 - 4k - 20$

8. $(-2a^2 - 4a - 1) - (-5a^2 - 8a + 9)$
 $3a^2 + 4a - 10$

9. $(-8g^2 - 4g + 3) - 8(3g^2 - 7g + 5)$
 $-32g^2 + 52g - 37$

10. $(-3t^2 + 8t + 6) - 7(-8t^2 - t - 2)$
 $53t^2 + 15t + 20$