

Adding Quadratic Expressions (B)

Simplify each expression.

1. $(-6h^2 - 4h - 5) + 7(-3h^2 - h - 5)$

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

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

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

5. $(-2n^2 - 2n + 2) + (-8n^2 - 3n - 8)$

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

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

8. $(-8w^2 - 5w - 8) + 4(-5w^2 - 8w - 5)$

9. $-3(-9c^2 - 4c + 7) + 6(4c^2 + 8c - 5)$

10. $9(6z^2 - z + 4) + 9(5z^2 - 5z + 9)$

Adding Quadratic Expressions (B) Answers

Simplify each expression.

1. $(-6h^2 - 4h - 5) + 7(-3h^2 - h - 5)$
 $-27h^2 - 11h - 40$

2. $7(-3g^2 - g + 3) + (-3g^2 + 8g - 5)$
 $-24g^2 + g + 16$

3. $-6(7v^2 - 6v - 2) + (-3v^2 - 8v - 3)$
 $-45v^2 + 28v + 9$

4. $(2k^2 - 2k - 8) + (9k^2 + 3k - 8)$
 $11k^2 + k - 16$

5. $(-2n^2 - 2n + 2) + (-8n^2 - 3n - 8)$
 $-10n^2 - 5n - 6$

6. $6(3b^2 + b - 8) + (6b^2 - 8b + 7)$
 $24b^2 - 2b - 41$

7. $(3t^2 - t + 1) + (-5t^2 - 7t + 1)$
 $-2t^2 - 8t + 2$

8. $(-8w^2 - 5w - 8) + 4(-5w^2 - 8w - 5)$
 $-28w^2 - 37w - 28$

9. $-3(-9c^2 - 4c + 7) + 6(4c^2 + 8c - 5)$
 $51c^2 + 60c - 51$

10. $9(6z^2 - z + 4) + 9(5z^2 - 5z + 9)$
 $99z^2 - 54z + 117$