

Adding Quadratic Expressions (B)

Simplify each expression.

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

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

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

4. $(-b^2 - 4b - 5) + (-2b^2 + b - 5)$

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

6. $(2m^2 - 9m - 1) + (-4m^2 + 7m - 1)$

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

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

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

10. $(3n^2 - n + 1) + (6n^2 - 2n + 3)$

Adding Quadratic Expressions (B) Answers

Simplify each expression.

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

2. $(-4g^2 - g - 2) + (4g^2 + 6g + 9)$
 $5g + 7$

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

4. $(-b^2 - 4b - 5) + (-2b^2 + b - 5)$
 $-3b^2 - 3b - 10$

5. $(5y^2 - 9y + 6) + (-3y^2 + 4y + 9)$
 $2y^2 - 5y + 15$

6. $(2m^2 - 9m - 1) + (-4m^2 + 7m - 1)$
 $-2m^2 - 2m - 2$

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

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

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

10. $(3n^2 - n + 1) + (6n^2 - 2n + 3)$
 $9n^2 - 3n + 4$