

Adding Quadratic Expressions (I)

Simplify each expression.

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

2. $(8h^2 - 7h - 6) + (-5h^2 + 3h - 1)$

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

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

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

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

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

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

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

10. $(8k^2 - 9k - 2) + (-5k^2 - 7k - 5)$

Adding Quadratic Expressions (I) Answers

Simplify each expression.

1. $(3d^2 - 7d - 1) + (-9d^2 + 3d - 9)$
 $-6d^2 - 4d - 10$

2. $(8h^2 - 7h - 6) + (-5h^2 + 3h - 1)$
 $3h^2 - 4h - 7$

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

4. $(-3c^2 + 8c - 4) + (8c^2 + 4c + 9)$
 $5c^2 + 12c + 5$

5. $(5x^2 - x + 6) + (8x^2 + 9x + 9)$
 $13x^2 + 8x + 15$

6. $(-9n^2 + 8n + 4) + (-4n^2 + 9n + 4)$
 $-13n^2 + 17n + 8$

7. $(-7x^2 + 2x - 7) + (-8x^2 - 9x - 9)$
 $-15x^2 - 7x - 16$

8. $(-7h^2 - 9h + 3) + (8h^2 - 8h + 6)$
 $h^2 - 17h + 9$

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

10. $(8k^2 - 9k - 2) + (-5k^2 - 7k - 5)$
 $3k^2 - 16k - 7$