

Adding Quadratic Expressions (H)

Simplify each expression.

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

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

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

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

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

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

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

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

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

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

Adding Quadratic Expressions (H) Answers

Simplify each expression.

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

2. $(-2p^2 - 5p - 3) + (-2p^2 - 7p + 4)$
 $-4p^2 - 12p + 1$

3. $(-6q^2 - 4q + 5) + (-7q^2 + 5q - 4)$
 $-13q^2 + q + 1$

4. $(5h^2 + 3h + 7) + (-4h^2 + 3h + 8)$
 $h^2 + 6h + 15$

5. $(8s^2 - 9s + 9) + (s^2 - 4s)$
 $9s^2 - 13s + 9$

6. $(7p^2 + 8p - 2) + (4p^2 - p + 6)$
 $11p^2 + 7p + 4$

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

8. $(-9k^2 - 4k - 5) + (-6k^2 + 4k + 7)$
 $-15k^2 + 2$

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

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