Adding & Subtracting Quadratic Expressions (H)

Simplify each expression.

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

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

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

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

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

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

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

8. $(-s^2 - 3s - 8) - (-4s^2 - 4s + 4)$

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

10. $(4w^2 + 6w + 5) - (3w^2 - w + 5)$

Adding & Subtracting Quadratic Expressions (H) Answers

Simplify each expression.

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

2. $(-6m^2 + 6m) + (-7m^2 + 9m + 2)$
   $-13m^2 + 15m + 2$

3. $(-3r^2 + 7r + 8) + (9r^2 - r + 4)$
   $6r^2 + 6r + 12$

4. $(9m^2 - 3m + 3) - (9m^2 + 8m + 9)$
   $-11m - 6$

5. $(9m^2 - 3m + 9) + (-8m^2 + 9m - 1)$
   $m^2 + 6m + 8$

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

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

8. $(-s^2 - 3s - 8) - (-4s^2 - 4s + 4)$
   $3s^2 + s - 12$

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

10. $(4w^2 + 6w + 5) - (3w^2 - w + 5)$
    $w^2 + 7w$