

Subtracting Quadratic Expressions (F)

Simplify each expression.

1. $(5p^2 - 4p + 2) - (-9p^2 - 9p - 9)$

2. $(-2z^2 - 2z - 1) - (7z^2 + 7z + 2)$

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

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

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

6. $(-2y^2 - 4y + 4) - (8y^2 + 3y - 1)$

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

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

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

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

Subtracting Quadratic Expressions (F) Answers

Simplify each expression.

1. $(5p^2 - 4p + 2) - (-9p^2 - 9p - 9)$
 $14p^2 + 5p + 11$

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

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

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

5. $(9g^2 - g + 3) - (-5g^2 - 2g + 6)$
 $14g^2 + g - 3$

6. $(-2y^2 - 4y + 4) - (8y^2 + 3y - 1)$
 $-10y^2 - 7y + 5$

7. $(-c^2 + 3c - 5) - (3c^2 - 9c - 6)$
 $-4c^2 + 12c + 1$

8. $(5c^2 - 7c - 4) - (-6c^2 - 8c - 4)$
 $11c^2 + c$

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

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