

# Subtracting Quadratic Expressions (D)

Simplify each expression.

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

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

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

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

5.  $(-7s^2 - 5s - 1) - (-2s^2 + 6s + 5)$

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

7.  $(-6q^2 - 8q + 2) - (2q^2 - 6q - 5)$

8.  $(3n^2 + 8n + 3) - (-6n^2 + 3n - 6)$

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

10.  $(-v^2 + v - 5) - (-3v^2 - 4v + 1)$

# Subtracting Quadratic Expressions (D) Answers

Simplify each expression.

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

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

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

4.  $(-8x^2 + 9x + 3) - (-x^2 - x + 9)$   
 $-7x^2 + 10x - 6$

5.  $(-7s^2 - 5s - 1) - (-2s^2 + 6s + 5)$   
 $-5s^2 - 11s - 6$

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

7.  $(-6q^2 - 8q + 2) - (2q^2 - 6q - 5)$   
 $-8q^2 - 2q + 7$

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

9.  $(-3h^2 - 5h) - (-2h^2 + 5h - 3)$   
 $-h^2 - 10h + 3$

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