Name : _____ Score : _____

Solving Quadratic Inequalities

L1S1

Solve each quadratic inequality.

1) $-x^2 - 5x + 6 > 0$

2) $-x^2 - 12x - 11 \leq 0$

3) $x^2 - 1 < 0$

4) $x^2 - 2x - 3 \geq 0$

5) $x^2 + 4x - 5 > 0$

6) $x^2 - 5x - 6 < 0$

7) $-x^2 + 3x + 10 \leq 0$

8) $x^2 + 8x - 9 \geq 0$

Name : _____ Score : _____

Answer key

Solving Quadratic Inequalities

L1S1

Solve each quadratic inequality.

1) $-x^2 - 5x + 6 > 0$

$-6 < x < 1$

2) $-x^2 - 12x - 11 \leq 0$

$x \leq -11$ or $x \geq -1$

3) $x^2 - 1 < 0$

$-1 < x < 1$

4) $x^2 - 2x - 3 \geq 0$

$x \leq -1$ or $x \geq 3$

5) $x^2 + 4x - 5 > 0$

$x < -5$ or $x > 1$

6) $x^2 - 5x - 6 < 0$

$-1 < x < 6$

7) $-x^2 + 3x + 10 \leq 0$

$x \leq -2$ or $x \geq 5$

8) $x^2 + 8x - 9 \geq 0$

$x \leq -9$ or $x \geq 1$