

Name: _____
Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet
Quadratic Inequalities

Find the range of values of x for the following quadratic inequalities.

1. $(x + 3)(x - 5) < 0$

2. $(x + 2)(x + 5) \leq 0$

3. $x(x - 6) \leq 0$

4. $x(x + 5) < 0$

5. $x(x - 7) > 0$

$$6. 3x^2 < x^2 - x + 3$$

$$7. (4x - 5)(3x + 1) > 0.$$

$$8. x(5x - 3) < 2x(x - 4) + 2$$

$$9. (x + 5)(x - 4) > 0$$

$$10. (x - 2)(x + 3) > 0$$